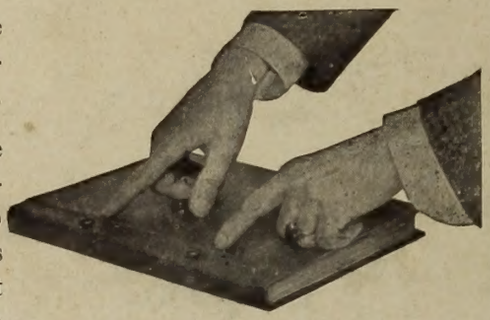
HOWLAND'S
SAMSON
(TRADE MARK REGISTERED)
QUALITY
H.S. HOWLAND SONS & CO.
LIMITED
TORONTO

To Insert New Leaves In This Binder



TAKE out the screws and remove the top cover.

Find the place where new leaf is to be inserted and lift up WITH brass sleeves all leaves above point where insertion is to be made.

Then insert new leaf; put the top cover back, replace the screws and fasten them down.

H. S. HOWLAND, SONS & CO., LTD.
TORONTO, ONTARIO.

General Catalogue

No. 24

ISSUED, MAY 1923

The NAME Insures the Quality

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H. S. HOWLAND, SONS & CO., Limited

TORONTO, Ontario, CANADA

THIS BOOK compiled by our Advertising Manager, R. P. Hawkyard.

INTRODUCTION

In compiling this Catalogue our aim has been to produce a book in more condensed form than is usual that will be of real use to you, not only in buying the goods we stock, but in SELLING them as well.

Give it a place on your counter and we are satisfied it will sell for you many lines that you might not otherwise sell.

Without going to an extreme, small, yet clear illustrations have been used, which, combined with thin, strong paper have enabled us to produce a Catalogue that will be found very easy of reference. Extra care has been taken to make the descriptions complete and accurate so that the book may be a reliable source of information.

We believe that this Catalogue will prove of genuine service to you and hope that its use will warrant your giving us an increased share of your business.

H. S. Howland, Sons & Co.
LIMITED
TORONTO

OUR
MAIL ORDER SERVICE

The Active Partner of Our Salesmen

ORDERING BY MAIL is an economy, it conserves your time, it gives you the goods you need as you require them, it helps to keep a well assorted stock with minimum capital, it enables you to increase your turnover and thus your profits.

The use of this Catalogue will assist you to supply your wants promptly.

We endeavour to ship all mail orders with the utmost despatch.

Do not delay your orders for our Salesmen, they get credit for all sales to their customers, and every day counts with you.

Packages sent by Parcel Post are insured against loss in transit without cost to you.

All goods are packed with great care to avoid breakage.

Telephone Orders—Call Adelaide 6851, Toronto

Out-of-town customers who wish to call us by long-distance should simply ask for Adelaide 6851, Toronto, and get the advantage of the Station-to-Station rate which is cheaper than when a particular person is asked for.

Mail Order Blanks, Addressed Envelopes, Post Cards, and Want Books are Supplied Free upon Request.

DO NOT GET OUT OF STOCK—ORDER BY MAIL—AN ITEM SHORT IS A SALE LOST

WE SHIP PROMPTLY

SUGGESTIONS

WHILE PLEASED TO ACCEPT YOUR MAIL ORDERS IN ANY FORM, WE MAKE THESE SUGGESTIONS, WHICH, IF FOLLOWED, WILL HELP US TO SHIP YOUR ORDERS PROMPTLY.

Write Only One Item on a Line.

If more than one sheet to your order put your name and the date on each sheet.

In writing of other matters, use a separate sheet from your order.

Use the numbers and names of articles shown in our General Catalogue and Bulletins.

Give clear shipping instructions, naming shipping station and whether to be shipped by Freight (naming Railway), Express (naming Company), Boat, Truck or Mail.

We gladly accept enclosures for shipment with our goods and also send our goods to other firms for shipment, when requested. We, however, advocate direct shipment from our Warehouse whenever possible in order to avoid delay, risk of loss and possible damage from extra handling. Neither ourselves nor other firms assume any risk of loss of, or damage to enclosures.

Gun Powder cannot be packed with other goods.

Gun Powder can be shipped only by freight.

TUESDAY is the day for delivery of gun powder from the Magazine. It cannot be held in our Warehouse, therefore to ensure prompt shipment, orders should reach us not later than a Monday noon; this does not, however, apply to 1-lb. tins of black powder, of which we carry a limited quantity in stock.

The Samson Trade Mark

We call your special attention to our line of SAMSON goods which will be found prominently illustrated in this Catalogue.

Goods bearing this brand are all strictly high quality products in material, workmanship and finish.

You can sell them with confidence as our guarantee covers any possible dissatisfaction on the part of the user.

The NAME Insures the Quality

DIVISION INDEX

Builders' Hardware .. .. Pages 1 to 63
Including Padlocks, Cabinet Locks, etc.

Mechanics' Tools .. .. Pages 64 to 161
Including Axes, Blacksmith's Supplies.

General Division .. .. Pages 162 to 393

Including—

Iron and Fittings ..... Pages 162 to 173
Fencing, etc. ..... Pages 181 to 185
Lawn Supplies ..... Pages 188 to 194
Nails, Shoe Findings, etc. ..... Pages 199 to 210
Wagon Hardware, etc. ..... Pages 225 to 239
Spades and Shovels .... Pages 251 to 259
Farm Tools ..... Pages 260 to 286
Brushes ..... Pages 302 to 307
House Furnishings, etc. ..... Pages 310 to 342
Aluminum, Enamelled and Tin Ware Pages 343 to 375

Guns, Rifles, Ammunition, etc., Pages 394 to 409

General Sporting Goods, Pages 410 to 440

Automobile Accessories, Pages 441 to 461

Electrical Accessories, Pages 462 to 466
Including Flashlights.

Cutlery and Silver Plated Ware, Pages, 467 to 575
Including "Pyrex" Ware; Clocks and Electric Appliances.

INDEX

Page

A

ABSORBERS—
Shock 449

ADAPTERS—
Faucet 172

ADJUSTERS—
Casement Window 32
Stop Bead 32
Adjustable Wrenches .. 147-8, 456

ADZES—
Carpenters 68
Ship 68
Adze Handles 77
Aerial Wire 180
Agricultural Wrenches 147
Air Cocks 171
Alarm Clocks 574-5
" Door Bells 21
" Tills 288

ALCOHOL—
Solid 384
Aluminum Assortments 374A
" Boilers 343
" Casseroles 345
" Cereal Cookers 343
" Child's Cooking Sets 347
" " Tea Sets 347
" Cleaner 297
" Coffee Balls 347
" Crumb Trays and Scrapers 347
" Cups 347
" Dippers 343
" Dish Pans 346
" Double Boilers 343
" Insets, Tea Kettle. 344
" Kettles, Berlin 344
" " Preserving 344
" " Tea 344
" Pails, Milk 346
" " Oyster 346
" " Water 346
" Paint 296
" Pans, Fry 346
" " Jelly Cake 346
" " Pudding 346
" " Sauce 343
" Percolators, Coffee 345
" Plates, Pie 346
" Pots, Potato 344
" " Tea 345
" Roasters 346
" Rules (Zig-Zag) 129
" Shakers, Salt and Pepper 347
" Sprinklers, Clothes 347
" Strainers, Sink 347

AMMETERS—
Battery 448

AMMONIA—
Household 380
Anchor Irons 39B
Angle Dividers 125
" Rule Tools 125
" Valves 170
Angular Bit Stocks 93
Ankle Supports 414
Anti-Freeze, Radiator 460
Anti-Rattlers, Buggy 227
Anti-Splashers 173

Page

ANVILS—
Combination 157
Saw Set 117
Apple Parers 328

APRONS—
Carpenters 119
Arc Lanterns, Gasoline 388
Architects Rules 128
Arsenate of Lead 178
Asbestos Paper 224
" Wick Packing 220A
Ash Dumps 39A
" Sifters 393
Asphalt Rakes 278

ASPHALTUM—
Black 296

ASSORTMENTS—
Aluminum 374A
Brace 92A
Dry Battery 448
Key 15
Oiler 163
Padlock 58, 59
Plier 141, 458
Scythe Stone 136
Spooled Wire 180
Thermometer 318

ATTACHMENTS—
Drill 157
Electric Vacuum Cleaner. 310
Horse Clipping 246
Sheep Shearing 246
Stuffing 327
Auger Bits 88

AUGERS—
Hand Boring Machine 89
Hollow 91
Long Eye 89
Post Hole 256
Ship 89
Short Eye 89

Automatic Drill Springs 94
Automatic Drills 94
Automobile Brake Band Rivets 451A
" Bulbs 447
" Bumpers 449
" Chain Pliers. 143, 442
" Clocks 450
" Cross Chains 442
" Enamel, Black 296, 460
" Jacks 80, 446
" Mats 450
" Oilers 162, 453
" Padlocks 445
" Patches 443
" Pliers 458
" Rugs 238, 451
" Shock Absorbers.. 449
" Spark Plugs 452
" Stop Signals 452
" Sun Visers 450A
" Tire Chains 442
" " Clasps 442
" " Cut Healer.. 443
" " Protectors .. 442
" " Pumps 445
" " Savers .. 80, 446
" " Tape 443
" Tires 441

Page

Automobile Tube Protectors . 443
" Tubes 441
" Wrenches 147-150, 454, 457
Awning Cord 30
" Pulleys 47
Awl and Tool Sets 100
Awl Hafts, Peg 99
" " Sewing 99
" Needles, Sewing 99
" Reels, Sewing 99

AWLS—
Brad 99
Peg 99
Scratch 99
Sewing 99
Axe Handles, Chopping 79
" " Bench, "SAMSON" 77
" " Boys 79
" " Broad, "SAMSON" 78
" " Chopping, "SAMSON" 78
" " Hunters, "SAMSON" 77
" Stones 135
" Wedges 76

AXES—
Bench "SAMSON" 68
Boys 67
Broad 69
Double Bit 64-66
Firemens 67
Hunters 68
Joiners 68
Single Bit 64-67
Sportsmens 410
"SAMSON" Chopping 64
"WAVERLEY" Chopping. 65
Axle Grease 239
" Washers 229

AXLES—
Express Wagon 437
Kiddie Kar 438
Roller Skate 427

B

Babbitt Metal 165
Baby Spoons
" " "Adam" 542
" " "Ambassador" 547
" " "Bird of Paradise" 534
" " "Grosvenor" 538
" " "Marquis" 556
" " "Niagara" 553
" " "Old Colony" 550
" " "WAVERLEY" 554
Baby Spoons and Forks, "Ambassador" 547
Back Flap Hinges 25
" Saws 109
Bag Lock Keys 16
" Trucks 288

BAGS—
Cartridge 409
Clothes Peg 337A
Lawn Bowl 426
Tennis Ball 425

BAITS—
Fishing 432, 433
Bake Boards 340

Page

BAKERS—
Individual, "Pyrex" 565
Pie 562
Baking Dishes, "Pyrex" 564
Bale Ties 181
" Rope 220
Baling Wire, Hay 181
Ball Bags, Tennis 425

BALLS—
Baseball 421
Coffee, Aluminum 347
Fuller 173
Playground 421
Rubber 439
Tennis 425
Band Steel 164

BANDS—
Poultry Leg 173
Bankers Shears 505
Bar Bumpers 312
" Sash Lifts 32
" Iron 164
" Solder 165
Barbed Wire 181
Barbers Shears 505, 515
Barley Fork Handles, "SAMSON" 260
Barley Forks, "SAMSON" 264
" " "WAVERLEY" 271
Barn Door Catches 19
" " Hanger Track 51
" " Hangers 50, 51
" " Latches 19
" " Track Brackets 51
" " Stay Rollers 51
Barn Forks, "SAMSON" 265
" " "WAVERLEY" 271

BAROMETERS—
Weather 318
Barrel Bolts 23
" Hatchets 69
" Swings 288

BARROWS—
Wheel, Boys 438
" Others 287

BARS—
Crow 75
Digging 75
Tamping 75
Towel 317
Wrecking, Carpenters 75
Base Trimmers 292
Baseball Balls 421
" " Indoor 421
" Basemens Mitts 420
" Bats 422
" Body Protectors 423
" Catchers Masks 423
" " Mitts 417-8
" Fielders Gloves 418-9
" Guides 423
" Shoe Plates 423
" Toe Plates 423
Basin Plugs 173
" Stoppers 173
Basket Fasteners 185
" Hooks 185
" Nails, Wire 203

Page

BASKETS—
Clothes 337
Fire 376A
Flower, Engraved Glass .. 570
Produce 373
Tool 119

Basting Spoons
" " Enamelled (grey) 354
" " " (white) 359
" " Tin 364
Bathrobe Hooks 40
Bathroom Door Lock Sets "Wellington" 7, 10

BATHS—
Infants, Japanned 369

BATS—
Baseball 422
Childrens 439

BATTERIES—
Dry 448
Flashlight 463

Battery Ammeters 448
" Connectors (Dry) ... 448
Beach Shades 280
Bead Adjusters, Stop 32
Bean Forks, "SAMSON" 265
" Hoes " 267
" " "WAVERLEY" .. 275
" Pots "Pyrex" 564
Bear Trap Clamps 250
Bear Traps 249

BEARINGS—
Express Wagon 437

BEATERS—
Carpet 311
Egg 341

Bed Casters 52
Bed Pans Enamelled (Grey) .. 354
" " " (White) . 359
" Staples 185
Beef Slicers 520
Beet Forks, "SAMSON" 264
" " "WAVERLEY" .. 273
" Hoes "SAMSON" 268
" " "WAVERLEY" ... 275
Bell Straps 230

BELLOWS—
Moulders 157A

BELLS—
Bicycle 440
Call 317
Cow 230
Door, Alarm 21
" "Colonial" 5, 21
" Electric 21
" "Sutherland" ... 3, 4, 21
" "Wellington" 6, 21
Sleigh 231-233
Team 231

Belt Burrs 217
" Dressing 218
" Fasteners 218
" Hooks 218
" Laces, Cut 218
" Lacing 218
" Punches, Revolving 140
" " Spring 140
" Rivets 217

BELTS—
Cartridge 409
Fan (Auto) 451

Bench Axes, "SAMSON" 68
" Axe Handles "SAMSON" 77
" Hooks 119
" Screws 119
" Stops 119
" Vises 156

Page

BENCHES—
Wash 335
Berlin Kettles, Aluminum 344
Berry Bowls, Cut Glass 566
Berry Spoons, "Adam" 542
" " "Ambassador" . 540
" " "Bird of Paradise" 535
" " "Grosvenor" .. 539
" " "Marquis" 557
" " "Niagara" 553
" " "Old Colony" .. 550
" " "WAVERLEY". 554

BEVELS—
Ship Carpenters 125
Sliding T 124

Bibb Washers 173

BIBBS—
Compression 172
Hose 172
Plain 172

Bicycle Bells 440
" Padlocks 57
" Pump Connections ... 440
" Pumps 440
" Rubber Cement 440
" Tire Tape 440
" Wrenches 150
Bifurcated Rivets 216
Binder Whips 235

BINDERS—
Load 242

BINDING—
Linoleum 316
Oilcloth 316
Binding Chains 240
Bird Cage Hooks 342
" " Springs 342
Biscuit Cutters 366
" Pans, "Pyrex" 565
" " Tin 364
Bit and Square Levels 123
Bit Braces 92, 93
" Brace Jaws 93
" Cutters, Expansive 90
" Gauges 120
" Holders, Extension 93
" Stock Drills 151
" Stocks, Angular 93

BITS—
Auger 88
Bridle 227
Car 89
Centre 90
Drill 94, 95
Expansive 90
Gimlet 90
Horse 227
Screw Driver 91, 95

Black Asphaltum 296
" Enamel, Auto 296, 460
" Hair Wire 180
Blacksmiths Drills 151
" Shoe Pincers 145
" Sledges 75
" Stocks and Dies .. 155
" Taper Taps 152

BLADES—
Bracket Saw 110
" " 112
Buck Saw, "SAMSON" ... 112
Butcher Saw 110
Cabinet Scraper 105, 106
Compass Saw 109
Coping Saw 110
Dehorner 245
Hack Saw 111
Keyhole Saw 109
Safety Razor 511, 513
Scroll Saw 110
Webb " Swedish 115

Page

Blank Cartridges 404
Blanket Pins 238

BLANKETS—
Horse, "SAMSON" 237

BLANKS—
Cylinder Key 14

Blind Staples 185
Blindmens Rules 128
Block Plane Caps 105

BLOCKS—
Loading 144
Tackle 219

Blow Torches, Gasoline 161
Board Rules 125

BOARDS—
Bake 340
Stove 378
Wash 335

Bob Skate Straps 413
" Skates 413
" Sleighs 411

BOBS—
Coaster Wagon 411
Plumb 102

Body Protectors, Baseball 422
" " Hockey 422
Boiler Repair Plugs 168A

BOILERS—
Double, Aluminum 343
Milk or Rice, enamelled (Grey) 348
Milk or Rice, enamelled (White) 355
Sap 374
Wash, Copper, "SAMSON" 360
" " 360
" Tin, "SAMSON" .. 367
" " 367

Bolt Clippers 145
" Dies, Solid 153
" Nuts, Stove 215
" Sockets, Window Spring. 31

BOLTS—
Barrel 23
Cabinet 22
Cant Hook 144
Cellar Window 23
Chain 22
Common Carriage 213
Flush 22
Foot 22
Machine 213
Padlock 452
Plow 214
Roller Skate 427
Sink 214
Snath 283
Stove 214
Tire 214
Tower 23
Window Spring 31

Boning Knives 519
Boot Calks 144A
" Lasts 209
" Protectors 208
" Repairing Outfits 210
" Soles 209

BORAX 157

BORDER—
Lawn 183

BORDERS—
Letter Box, "Sutherland" 3, 4, 20

BORERS—
Bung Hole 174
Boring Machine Augers, Hand 89
" Machines 91

Page

Bottle Corks, "Thermos" 560
" Fillers, "Thermos" ... 560

BOTTLES—
Oil, Cut Glass 568
" Engraved Glass 570
"Thermos" 560
Vacuum 560, 562
Vinegar, Cut Glass 568
" Engraved Glass . 570
Water, Cut Glass 569

BOTTOMS—
Extension (Screen Door).. 187
Spring Door 381

Bowl Bags, Lawn 426
" Cleaner, Closet 380
Bowling Green Markers 426

BOWLS—
Berry, Cut Glass 566
" Engraved Glass ... 570
Chopping 339
Kitchen, Enamelled (Grey) 350
" " (White) 356
Lawn, "SAMSON" 426
Mixing, Enamelled (Grey) 350
" " (White) 356
Rose, Cut Glass 567
Salad, Engraved Glass ... 570
Scotch, Cast 375
Soup, Enamelled (Grey) .. 350
" " (White). 356
Sugar, Cut Glass 567
" Engraved Glass .. 571
Wash, Enamelled (Grey). 351
" " (White) 357

Box Borders, (Letter) "Sutherland" 3, 20
" Chisels 74
" Corners 37
" Graters 366
" Hooks 74
" Nails (Wire) 203
" Plates, Letter, "Colonial" 5, 20
" " " "Sutherland" 3, 20
" Pulls 33
" Scrapers 74

BOXES—
Bread, japanned 369
Cash 370
Deed 370
Dredge 369
Grit, (Poultry) 180
Lunch 562
Mail 20A
Match 410
Mitre 119
Pepper, japanned 369

Boxwood Rules 126-129
Boys Handled Axes 67
Brace Assortments 92A
" Jaws, Bit 93

BRACES—
Bit 92, 93
Carpenters 92, 93
Corner 38

Bracket Saw Blades 110

BRACKETS—
Barn Door Track 51
Corner 37
Curtain Pole 314
Door Check 29
Driving Lantern 390
Hand Rail 39
Ice Skate 413
Implement 280
Lamp, Oil 387
Rafter 285
Shelf 38
Soffit 29
Window Shade Roller ... 312

Page

Brad Awls ... 99
Brake Band Rivets, Auto ... 451A
Brake Lining, Auto ... 451
Brass Butts, Wrought ... 26
" Cup Hooks ... 41
" Rules ... 130
" Screw Hooks ... 41
Bread Boxes, Japanned ... 369
" Knives ... 520
" " "Adam" ... 544
" " "Ambassador" ... 548
" " "Bird of Paradise" 536
" " "Grosvenor" ... 540
" Makers ... 374
" Pans, "Pyrex" ... 564
" " Steel ... 374
" " Tin ... 364, 366
Breakdown Scoops ... 255
Breast Chain Snaps ... 228-229
Breast Chains ... 244
" Drills ... 93
Bric-a-Brac, Cement ... 139
Brick Chisels ... 75
" Drills ... 75
" Hammers ... 73
" Trowel Handles ... 132
" Trowels ... 132, 133
Bridle Bits ... 227
Bright Wire Screw Eyes ... 43, 44
" " " Hooks ... 42
Broad Axes ... 69
Bronzing Liquid ... 295

BROODERS—
Chick ... 179

BROOMS—
Carpet ... 307
Hair ... 307
House ... 307
Stable ... 235, 307
Street ... 235
Warehouse ... 307
Brown Japan ... 295
Brush Hooks ... 286

BRUSHES—
Carpet Sweeper ... 310
Dust, Painters ... 305
Dusting ... 306
Floor ... 307
Hand ... 306
Horse ... 235
Kalsomine ... 304
Muresco ... 304
Nail ... 306
Paint ... 303
Paper Hangers ... 305
Rifle Cleaning ... 409
Scrub ... 305
Shaving ... 515
Shoe ... 306
Smoothing ... 305
Stove ... 306
Varnish ... 302
Wall Painting ... 302, 303
Waxing ... 301
Whitewash ... 304
Buck Saw Blades, "SAMSON" 112
" " " ... 112
" " Frames ... 112
" " Rods ... 112
" Saws ... 112
" " "SAMSON" ... 112

BUCKETS—
Fire ... 373
Minnow ... 436
Sap ... 374
Water, Aluminum ... 346
" Enamelled (Grey) ... 349
" " (White) 356
" Galvanized ... 372
" " "SAMSON" 371
" Tin ... 365

Page

BUCKLES—
Turn ... 49
Buggy Wrenches ... 146, 229
Builders Saws, Stair ... 109
Building Papers ... 224

BULBS—
Auto ... 449
Electric ... 464
Flashlight ... 463
Bull Rings ... 230
" Snaps ... 230

BUMPERS—
Auto ... 449
Bar ... 312
Tack ... 312
Bung Hole Borers ... 174

BURNERS—
Lamp ... 385
Lantern ... 385

BURRS—
Belt ... 217
Iron ... 217
Bush Scythe Snaths ... 283
" Scythes ... 282

BUSHINGS—
Iron Pipe ... 167
Socket, Electric ... 466
Butcher Knives ... 519
" Saw Blades ... 110
" Saws ... 110
" Steels ... 520
Butt Chisels ... 97
" Chains ... 243
" Gauges ... 120
Butter and Sugar Sets,
" " "Ambassador" 548
" " "Marquis" ... 557
" " "Old Colony" 550
" " "WAVERLEY" 555
Butter Bowls ... 339
" Churns ... 339
" Dishes, Cut Glass ... 567
" Knives, "Adam" ... 544
" " "Ambassador" ... 547
" " "Bird of Paradise" 536
" " "Grosvenor" ... 540
" " "Marquis" ... 558
" " "Niagara" ... 553
" " "Old Colony" ... 551
" " "WAVERLEY" ... 554
" Ladles ... 339
" Moulds ... 339
" Plates, Cut Glass ... 568
" " Engraved Glass ... 570
" Spreaders, "Adam" ... 544
" " "Ambassador" 547
" " "Bird of Paradise" 536
" " "Grosvenor" ... 540
" " "Marquis" ... 558
" " "Niagara" ... 553
" " "WAVERLEY" 554
" Tubs, Engraved Glass 570
" Workers ... 339
Button-Hole Scissors ... 505

BUTTONS—
Commode ... 35
Door ... 33
Electric, "Colonial" ... 5, 21
" "Sutherland" ... 3, 21
" "Wellington" ... 6, 21

BUTTS—
Broad, Brass ... 26
Fast Joint ... 25
Loose Pin ... 24
Middle Brass ... 26
Narrow, Brass ... 26
Parliament ... 25
Steel ... 24, 25
Surface ... 25A

Page

C

Cabin Door Fasteners ... 41
" " Hooks ... 41
Cabinet Bolts ... 22
" Lock Keys ... 16
" Scraper Blades ... 105, 106
" Scrapers, ... 105, 106

CABINETS—
Tool ... 119A
Cage Hooks, Bird ... 342
" Springs, Bird ... 342
Cake Dishes, "Pyrex" ... 565
" Forks, "Adam" ... 543
" " "Bird of Paradise" 536
" " "Grosvenor" ... 540
" " "Old Colony" ... 551
" Pans, Corn ... 364
" " Tin ... 363, 366
" Turners ... 341
Caliper Rules ... 128, 129

CALIPERS—
Machinists ... 120
Calk Hand Taps ... 158A
" Wrenches ... 158
Calking Cotton ... 138A

CALKS—
Boot ... 144A
Horse Shoe ... 158
Call Bells ... 317

CALLS—
Crow ... 409
Duck ... 409
Echo ... 409
Can Openers ... 319
Candle Lamp Frames ... 387
" Wick ... 384

CANDLES—
Wax ... 387
Canisters, Coffee ... 369
" Tea ... 369
Canning Racks ... 329
Canoe Glue ... 436
" Knives ... 410

CANS—
Coal Oil, Galvanized ... 373
" " Jacketted ... 367
" " Tin ... 367
Creamery ... 368
Flour ... 369
Garbage ... 373
Grocery ... 369
Radiator ... 372
Syrup ... 374
Watering, japanned ... 370
Cant Hooks ... 144
" Hook Bolts ... 144
" " Clasps ... 144
" " Handles ... 144
Canvas Staples ... 185

CAPS—
Block Plane ... 105
Farm Fork Ferrule ... 279
Gun ... 407
Iron Pipe ... 168
Percussion ... 407
Radiator ... 450
Roofing ... 223
Car Bits ... 89
" Movers ... 76

CARAFES—
Thermos ... 560

CARBINES ... 399
Carbon Remover ... 459, 460
Carborundum Stones ... 134-136
Card Holders ... 33

CARDS—
Wool ... 227

Page

Carpenters Adzes ... 68
" Aprons ... 119
" Braces ... 92, 93
" Chalk ... 100
" Clamps ... 119
" Draw Knives ... 106
" Mallets ... 101
" Pencils ... 100
" Pincers ... 145
" Ship Bevels ... 125
" Squares ... 124
" Vises ... 157
" Wrecking Bars ... 75
Carpet Beaters ... 311
" Brooms ... 307
" Felt ... 224
" Sweeper Brushes ... 310
" " Handles ... 310
" " Tires ... 310
" Sweepers ... 310
" Tacks ... 206
Carriage Bolts ... 213
" Heater, Coal ... 391, 450
" Heaters ... 391, 450
" Robes ... 238
" Rugs ... 238
" Wrenches ... 146, 229

CARRIERS—
Auto Tire ... 444
Timber ... 144
Carrot Hoes, "SAMSON" ... 268
" " "WAVERLEY" ... 276
Carrying Cases, Thermos ... 561
Cartridge Bags ... 409
" Belts ... 409

CARTRIDGES—
Blank ... 404
Metallic ... 400-403
Shot ... 404
Carvers in Cases ... 527-533
" " Pairs ... 525, 526
Carving Sets, "Adam" ... 544, 545
" " "Ambassador" ... 549
" " "Bird of Paradise" 536, 537
" " "Grosvenor" ... 541
" " "Marquis" ... 558
" " "Old Colony" ... 552
Case Locks, Suit ... 63
Cased Carvers ... 527, 533
Casement Window Adjusters ... 32
" " Fasteners ... 32

CASES—
"Thermos" Carrying ... 561
Cash Boxes ... 370
Casing Wheels ... 292
Casserole Frames ... 563

CASSEROLES—
Aluminum ... 345
"Pyrex" ... 563, 564
Caster Cups, Glass ... 52A

CASTERS—
All kinds ... 52, 52A, 52B

CATCHES—
Barn Door ... 19
Cupboard ... 33
Elbow ... 32
French Window ... 31
Friction Door ... 32
Screen Door ... 28
Transom ... 32

CATCHERS—
Body Protectors ... 423
Grass ... 193
Masks ... 423
Mitts, Baseball ... 417-8
Cattle Combs ... 234
" Dehorner Plates ... 245
" Dehorners ... 245
" Leaders ... 230

C

Page
Ceiling Hooks 39, 45
Celery Dishes, Cut Glass 568
Cellar Window Bolts 23
" " Sets 23
Cells, Dry 448
Cell Connectors (Dry) 448

CEMENT—
Auto Radiator 459
Bric-a-brac 139
Crockery 139
Furnace 379
Gasket 460
Iron 378
Roofing 223
Rubber 208, 440, 444
Stove 379

Centre Bits 90
" Clips and Rings 225
" Punches 75
" Irons 225
Cereal Cookers, Aluminum ... 343
" " Enamelled (Grey) 348
" " Enamelled (White) 355
Cess Pools 39
Chaff Forks, "SAMSON" 265
" " "WAVERLEY" .. 271
Chafing Dishes, Electric 572

CHAIN
Coil 241-242
Jack 242
Loading 241
Plumbers Safety 242
Steel Wire 242

Chain Bolts 22
" Door Fasteners 22
" Hooks 240
" Nose (Long) Pliers ... 141
" Pliers, Automobile . 143, 442
" Swivels, Log 240

CHAINS—
Auto Tire 442
Binding 240
Breast 244
Butt 243
Cow 244
Cross, Auto Tire 442
" Truck Tire 442
Dog 243
Halter 243
Hammock 194
Heel 243
Key 320
Logging 240
Picket 244
Spreader 229
Stall Fixture 244
Tie Out 244
Trace 243

Chair Nails 312
" Seats 311

CHALK—
Carpenters 100
School 325

Chalk Lines 101

CHAMBERS—
Enamelled (Grey) 354
" (White) 359
Rifle Supplemental 408

Chamber Covers, enamelled (Grey) 354
" " enamelled (White) 359
" Pails, enamelled (Grey) 354
" " enamelled (White) 359
" " Galvanized .. 373
" " Japanned 369

Page
Chamois Skins 461
Chandelier Hooks 45

CHANDELIERS—
Gasoline 388

CHASER—
Soot 380

Check Valves 169

CHECKS—
Door 29

Cherry Stoners 328
Chest Handles 36
" Hinges 25
" Locks 60
" Locks, Tool 63

CHESTS—
Tool 119A

Childs Cooking Sets, Aluminum 347
" Dinner Sets, "Bernice". 533
" " " "Marquis" 557
" Spades 280
" Tea Sets, Aluminum .. 347

CHIMES—
Shaft 233

Chimney Thimbles 376

CHIMNEYS—
Lamp 385, 386
Lantern, Gasoline 389

Chippers, Ice 198
Chisel Handles 98

CHISELS—
Box 74
Brick 75
Butt 97
Cold 74
Concrete 75
Framing 97
Socket Firmer 97
Tanged Firmer 98

Chopper Parts, Food 327

CHOPPERS—
Food 326, 327
Mauls, Wood 76
Wedges, Wood 76

Chopping Axes 66-67
" " "SAMSON" ... 64
" " "WAVERLEY" 65
" Bowls 339

CHUCKS—
Screw Driver 95

CHURNS—
Butter 339
Dash 339

Cistern Pumps 175

CLAMPS—
Carpenters 119
Game Trap 250
Hose 189
Quilt Frame 119
Screw 119
Splicing 143
Wire 143, 182

CLASPS—
Auto Tire 442
Cant Hook 144
Pencil 120

CLAWS—
Nail 74
Tack 73

Claw Hatchets 69
Clay Hoes 76
" Picks 76
" Spades 257

Page
CLEANER—
Aluminum 297
Closet Bowl 380
Hand 380
Brushes, Rifle 409

CLEANERS—
Auto Windshield 450
Drain 256
Electric Vacuum 310
Gun 409
Rifle 409
Window 307

CLEANSER—
Drain Pipe 380A

CLEATS—
Line 45

CLEAVERS—
Meat 329

CLEVISES—
Doubletree 225
Plow 225
Neckyoke 225

Clinch Nails, (Cut) 199
Clincher Gaffs 436
Clipper Knife Grinders 246
" Plates, Horse 245

CLIPPERS—
Bolt 145
Dehorning 245
Fetlock 245
Hair 515
Horse (Hand) 245
Toilet 515

Clipping Machines, Horse 246
" Machine Attachments 246
" " Parts 247
Clips and Rings, Centre 225

CLIPS—
Hame 226
Paper 325
Trace 226

CLOCKS—
Alarm 574, 575
Auto 450

CLOSERS—
Door 29

Closet Bowl Cleaner 380

CLOSETS—
Sanitary 373

Cloth Racks, Wire 185A

CLOTH—
Emery 138
Lath 184
Re-galvanized 184
Sand Screen 184
Screen Wire 185
Sifter 184
Wire 184, 185

Clothes Baskets 337
" Horses 337
" Line Hooks 45
" " Pulleys 49
" " Reels 49, 336
" Lines 336
" Mangles 335
" Peg Bags 337A
" Pins 337
" Sprinklers, Aluminum. 347
" Wringers 331, 332
" Wringer Handles 332
" " Rolls 332
" " Screws 332

CLOTHS—
Mop 338
Clout Nails 205

Page
Coach Screws 214

COAL—
Carriage Heater 391, 450

Coal Hods 376
" Oil Cans, Galvanized 373
" " " Jacketted 367
" " " Tin 367
" Scoops 255
Coat and Hat Hooks 40
Cobblers Lasts 209
" Outfits 210
" Stands 209

COCKEYES—
Screw 226
Utility 226
Whiffletree 226

COCKS—
Air 171
Stop 170
" and Waste 170

Coffee, Balls, Aluminum 347
" Canisters 369
" Mills 325
" Percolators, Aluminum 345
" " Electric.. 572
" Percolator Tops 345
" Pots, Enamelled (Grey) 352
" " " (White) 358
" " Nickel Plated .. 360
" Spoons "Adam" 542
" " "Ambassador" 546
" " "Bird of Paradise" 534
" " "Grosvenor" . 538
" " "Marquis" ... 556
" " "Niagara" ... 553
" " "Old Colony" . 550
" " "WAVERLEY" 554
" Urns 572
Coil Chain 241, 242
" Door Springs 29
" Spring Wire 181
Coke Fork Handles 259
" Forks, "WAVERLEY" .. 274
Cold Blast Lanterns 390, 391
" Chisels 74
" Meat Forks, "Adam" ... 543
" " " "Ambassador" 548
" " " "Bird of Paradise" 535
" " " "Grosvenor" . 539
" " " "Marquis" .. 557
" " " "Niagara" ... 553
" " " "Old Colony" 551
" " " "WAVERLEY" 555

COLLANDERS—
Enamelled (Grey) 353
" (White) ... 358-359
Tin 366

Collar Padlocks, Dog 57
" Pads 239

COLLARS—
Dog 250
Stove Pipe 376

Combination Pliers 140, 458

COMBS—
Cattle 234
Curry 234
Graining 292
Mane 234A

Commode Buttons 35
Common Shot 407
Compass Saws 109
" Saw Blades 109
" " Handles 116

COMPASSES—
Mariners 250

Page

COMPORTS—
Cut Glass 567
Engraved Glass 570

COMPOUND—
Valve Grinding 136, 459
Welding 157

Compression Bibbs 172
Concrete Chisels 75
" Drills 75

CONNECTIONS—
Bicycle Pump 440

CONNECTORS—
Battery (Dry) 448

Contractors Hand Sieves 132
" Shovels 254
" Wheelbarrows "SAMSON" 287
Convex Kettles, enamelled (Grey) 349

COOKERS—
Cereal, Aluminum 343
" Enamelled (Grey) 348
" " (White) 355
Cookie Cutters 366
Cooking Sets, Childs 347
Cooks Knives 519, 520
Coping Saw Blades 110
" Saws 110
Copper Wash Boilers "SAMSON" 360
" " " 360
" Wire 180

COPPERINE—
"Spooners" 165

COPPERS—
Soldering 160

CORD—
Awning 30
Picture (Wire) 316
Sash 31
Shade 30
Cord Irons, Sash 30

CORDS—
Electric Appliance 466
Cork Screws 320

CORKS—
Thermos Bottle 560
Corn Cake Pans, Tin 364
" Cutter Hoes "SAMSON" 269, 284
" " " "WAVERLEY" 278, 284
" Hooks 284
" Planters 284
" Poppers 342
" Shellers 284

CORNERS—
Box 37

Corner Braces 38
" Brackets 37
" Irons 38
" Trowels 133
Cornice Hooks 44
Corrugated Strap Hinges 27
" T Hinges 27
Cotter Pins 217, 453

COTTON—
Calking 138A

Cotton Waste 138
Couch Hammocks 194

COUPLINGS—
Hose 189
Iron Pipe 167
Pump Rod 176
Counter Measures 130

Page

COUNTERSINKS—
Bit Stock 90

Court Markers, Tennis 426
Covered Baking Dishes, "Pyrex" 564
" Pails, Tin 365

COVERS—
Auto Tire 444
Chamber, Enamelled (Grey) 354
" " (White) 359
Fruit Jar 329
Gun 408
Rifle 408

Cow Bells 230
" Chains 244
Crack Filler 296

CRACKS—
Nut 320

Cradle Fingers, Grain 282
" Scythes 282

CRATES—
Egg 340

Crate Fillers, Egg 340
" Hasps 46

CRAYONS—
Lumber 100
Marking 100, 324
School 325

CREAM—
Shaving 514

Cream Ladles, "Adam" 543
" " "Ambassador" . 547
" " "Bird of Paradise" 535
" " "Grosvenor" ... 539
" " "Marquis" 557
" " "Niagara" 553
Cream and Sugar Sets, Cut Glass 567
" " Engraved Glass 571
Creamery Cans 568

CREEPERS—
Ice 210

"Creonoid" Disinfectant 178
Crockery Cement 139
Croquet Sets 426
Cross Chains, Auto Tire 442
" " Truck Tire 442
" Cut Saw Hammers 116
" " " Handles.. 115, 116
" " Saws 113-115
Crow Bars 75
" Calls 409
Crumb Trays and Scrapers, Aluminum 347

CULLENDERS—
Enamelled (Grey) 353
" (White).. 358, 359
Tin 366
Cultivator Hoes, "WAVERLEY" 276
" Rakes " 278
" Handles, Thermos 560
Cup Grease 453
Cupboard Hooks 41
" Catches 33
" Turns 33

CUPS—
Caster, Glass 52A
Custard, "Pyrex" 565
Drinking, Aluminum 347
" Enamelled (Grey) 352
" " (White) 357
" Tin 365
Force 176
Grease 171, 451
"Thermos" 561

CURE—
Gall 178

Curling Tongs 319

Page

Curry Combs 234
Curtain Pole Brackets 314
" " Rings 314
" Rings 312
" Rod Hooks 313
" Rods 313
" Stretchers 337

CUSPIDORS—
Enamelled 359
Japanned 370

Custard Cups, "Pyrex" 565
Cut Belt Laces 218
" Glass Ware 566-569
" Healer, Auto Tire 443
" Nails 199
" Tacks 205
Cutter Hoes, Corn "SAMSON" 269, 284
" " " "WAVERLEY" 278, 284
" Mattocks, Long 76
" Wheels, Pipe 146

CUTTERS—
Biscuit 366
Cookie 366
Doughnut 366
Expansive Bit 90
Gauge Glass 171
Glass 291
Kraut 328
Pipe 146
Slaw 328
Tube 171
Vegetable 329
Weed, "SAMSON" 268
" "WAVERLEY" 276

Cutting Nippers 143
" Pliers 141, 142
Cylinder Key Blanks 14

D

D Tops, Farm Fork 279
Dairy Pails 368
" Thermometers 319

DAMPERS—
Fireplace 377A
Stove Pipe 377

Dash Churns 339

DAUBERS—
Shoe 306
Stove 306

Dead Locks, Rim, ... 11
Deed Boxes 370
Deep Sea Line 220

DEHORNERS—
Cattle 245

Dehorner Saws, Cattle 110
Desk Locks 61

"DESOLVO"— 380A

Dessert Forks, "Adam" 544
" " "Ambassador".. 548
" " "Bird of Paradise" 536
" " "Grosvenor".... 538
" " "Marquis"..... 558
" " "Niagara"..... 553
" " "Nevada"..... 559
" " "Old Colony"... 551
" " Round 559
" " Tipped 559
" " "WAVERLEY". 555
" Knives, "Adam" 545
" " "Ambassador".. 549
" " "Bird of Paradise" 537
" " Celluloid Handle 523-524
" " "Grosvenor".... 541

Page

Dessert Forks, "Marquis" 558
" " "Niagara"..... 553
" " "Old Colony"... 552
" " Round 559
" " Silver Plated Handle 522, 524
" " "WAVERLEY". 555
Dessert Knives and Forks in Sets
" " "Adam"..... 545
" " "Ambassador".. 549
" " "Bird of Paradise" 537
" " "Grosvenor".... 541
" " "Marquis"..... 558
" " "Old Colony"... 552
" " "Silver Plated Handle" 521, 522
" " "WAVERLEY". 555
Dessert Spoons, "Adam"..... 542
" " "Ambassador".. 546
" " "Bird of Paradise" 534
" " "Grosvenor".... 538
" " "Marquis"..... 556
" " "Nevada"..... 559
" " "Niagara"..... 553
" " "Old Colony"... 550
" " Tipped 559
" " "WAVERLEY". 554

DESTROYER—
Soot 380

DETONATORS— 407

DIAMONDS— 271
Glaziers 106

DIES—
Blacksmiths 155
Solid Bolt 153
" Pipe 153
Die Plates, Solid 153

DIGGERS—
Post Hole 256

Digging Bars 75
Dinner Pails, Enamelled (Grey) 354
" " Tin 365
" Plates, Enamelled (Grey) 352
" " " (White) 357
Dippers, Aluminum 343
" Enamelled (Grey)... 352
" " (White).. 356
" Tin 365

DISCS—
Valve 170

DISINFECTANT— 178

Dish Pans, Aluminum 346
" " Enamelled (Grey). 351
" " " (White) 357
" " Tin 365

DISHERS—
Ice Cream 198

DISHES—
Baking, "Pyrex" 564
Butter, Cut Glass 567
Cake, "Pyrex" 565
Celery, Cut Glass 568
Chafing, Electric 572
Olive, Cut Glass 567
Oval, "Pyrex" 565
Pudding, "Pyrex" 564
Soap, Enamelled (Grey) .. 353
" " (White). 359
Ditching Spades 257

DIVIDERS—
Angle 125
Wing 120
Dog Chains 243
" Collar Padlocks 57
" Collars 250
" Leads 250

D

Page
Dome Dampers 377A
Door Bells, Alarm 21
" " "Colonial" 5, 21
" " Electric 21
" " "Sutherland" .. 3, 4, 21
" " "Wellington" ... 6, 21
" Buttons, Spring 381
" Buttons 33
" Catches, Barn 19
" " Friction 32
" Check Brackets 29
" Checks 29
" Fasteners, Chain 22
" Fixtures, Screen Door 28, 187
" Handles, Store 18, 19
" Hanger Track, Barn 51
" " " Garage .. 452
" " " Parlor ... 50
" Hangers, Barn 50, 51
" " Garage 452
" " Parlor 50
" Holders 30
" Hooks, Cabin 41
" Knob Screws 13
" " Spindles 13
" Knobs 14
" Latch Sets, "Sutherland" 4, 10
" " " "Wellington" 6, 10
" Latches, Barn 19
" Lock Keys 15
" Lock Sets, Bathroom ... 7, 10
" " " Cylinder 2
" " " Front 2-9
" " " Inside 3-8
" " " Store 17, 18
" Locks, Garage 11
" Mats 311
" Pulls 20
" Rings, Flush Trap 36
" Sets, Garage 10, 452
" Springs 29
" Stay Rollers, Barn 51
" Stops 30

DOORS—
Hand of 1
Screen 186-7
Soot 39

Double Boilers, Aluminum 343
" " Enamelled (Grey) 348
" " " (White) 355
" Pointed Tacks 206

DOUBLETREES— 145

Doubletree Clevises 225
Doughnut Cutters 366
Drag Scrapers 288

DRAGS—
Manure, "SAMSON" 266
" "WAVERLEY" .. 274
Potato, "SAMSON" 266
" "WAVERLEY" .. 274

Drain Cleaners 256

DRAINERS—
Washing Machine 334

Draining Spades 257
Drapery Pins 313
Draw Knives 106
Drawer Handles 34
" Knobs 35
" Locks 61
" Pulls 15

DRAWERS—
Money 288

Dredge Boxes, Japanned 369

DRESSING—
Belt 218
Harness 239
Leather 210
Shoe 380

Drift Punches, Machinists . 74, 160

Page
DRILLS—
Automatic 94
Bit Stock 151
Blacksmiths 151
Breast 93
Brick 75
Concrete 75
Hand 94
Star 75
Straight Shank 151
Twist 151
Wood Boring 151

Drill Attachments 157
" Points 94, 95
" Springs, Automatic 94

Drinking Cups, Aluminum 347
" " Enamelled (Grey) 352
" " " (White) 357

Drive Tubes 140
" Well Points 176

DRIVERS—
Screw 96, 459
" Automatic 95

Driver Bits, Screw 91, 95
" Handles, Screw 99

Driving Lanterns 390
" Lantern Brackets 390
" " Founts 390
" " Lens 390

Drop Drawer Handles 34
Dry Batteries 448
" Building Papers 224
" Cell Connectors 448
" Cells 448
" Measures 288
" Paste (Stickfast) 297

Duck Calls 409
Dumb Waiter Pulleys 49

DUMPS—
Ash 39A

Dust Brushes, Painters 305
" Caps, Express Wagon ... 437
" Pans 370

Dusting Brushes 306
Dutch Hoes, "SAMSON" 268
" " "WAVERLEY" . 276

E

Echo Calls 409

EDGERS—
Turf 281
" "SAMSON" 268
" "WAVERLEY" 276

Egg Beaters 341
" Crates 340
" Crate Fillers 340

EGGS—
Nest 179, 340

Elbow Catches 32

ELBOWS—
Iron Pipe 166
Stove Pipe 377

Electric Attachment Plugs 466
" Chafing Dishes 572
" Coffee Percolators 572
" " Urns 572
" Curling Tongs 319A
" Door Bells 21
" Fans 194
" Heater Elements 392
" Heaters 392
" Household Motors 465, 572
" Lamp Cord 465
" Lamps 464
" Light Bulbs, Auto 447
" " Sockets 466
" Lights, Portable 447

Page
Electric Push Buttons
"Colonial" 5, 21
" " "Sutherland" 3, 21
" " "Wellington" 6, 21
" Sad Irons 330
" Socket Bushings 466
" Switches 465
" Toasters 573
" Vacuum Cleaners 310
" Warming Pads 572
" Washing Machines ... 334

Electricians Pliers 142
" Wire 21

ELEMENTS—
Electric, Heater 392

Embroidery Scissors 507

EMERY—
Cloth 138
Powdered 138

Empty Shot Gun Shells 407

ENAMEL—
Auto Black 296, 460
Gold 296
Stove Pipe 379
White 295

Enamelled Ware, Grey & Blue
348-354
" " White... 355-359

ENDS—
Gas Tube 166
Hose 172

Engineers Wrenches 147, 457
Engraved Glassware 569, 570
Ensilage Fork Ferrules 279
" " Handles 259
Ensilage Forks, "SAMSON" .. 266
" " "WAVERLEY". 271
Escutcheon Pins 205
" Pulls 36

ESCUTCHEONS—
Furniture 36
Keyhole 36

Expansion Shields 214
Expansive Bits 90
" Bit Cutters 90
Express Wagons 437
" Whips 236
Extension Bob Skates 413
" Bottoms, Screen Door
187
" Curtain Rods 313
Extinguisher Liquid (Fire) 188, 461

EXTINGUISHERS—
Fire 188, 461

EXTRACTORS—
Lemon Juice 325

Eye Augers, Long 89
" " Short 89

EYES—
Screw 43, 44
and Hooks 41
" " Gate 41

F

Face Plates, Register 378
Fan Belts, Auto 451

FANS—
Electric 194

Farm and Garden Tools.
"SAMSON" 261-269
" " "
"WAVERLEY" 270-278
" Tool Handles 259
" " " "SAMSON" 260

Page
Farriers Hammers 73
" Knives 520

Fast Joint Butts 25

FASTENERS—
Basket 185
Belt 218
Casement Window 32
Chain Door 22
Hame 226
Sash 31

FASTS—
Sash 31

Faucet Adapters 172

FAUCETS—
Lock 173
Oil 173
Petroleum 173
Water 172
Wood 174

Feed Pans 370

FEEDERS—
Poultry 180

Felt, Carpet 224
" Roofing 224

FENCE—
Lawn 184
Wire 181

Fence Gates, Lawn 184
" Hooks 182
" Pliers 142, 143
" Staples 182
" Tools 182

Ferrule Caps, Farm Fork 279

FERRULES—
and Hooks 225
and Rings 226
Ensilage Fork 279
Farm Fork 279
Hay Fork 279
Hoe 279
Manure Fork 279
Spading Fork 279

Fetlock Clippers 245
Fibre Pails 337
" Tubs 337
" Rope 220

Field Hoes 278
" " "SAMSON" 267
" " "WAVERLEY" ... 275

Fielders Gloves, Baseball .. 418, 9

FIGURES—
House 21

File Handles 99

FILES—
Band Saw 86
Cabinet 86
Cross Cut Saw 86
Extra Slim Taper 84
Flat Bastard 85
" Smooth 85
General Information 81
Half-Round Bastard 85
" " Smooth 85
Knife Bastard 86
Magneto 86, 453
Mill, Bastard 84
Mower Knife 86, 136
Paper 325
Pit Saw 86
Round Bastard 85
" Smooth 85
Standard List 83
Slim Taper 84
Square Bastard 85
Taper Saw 84
Warding 86
Webb Saw 86
Wood 86

Page

FILLER—
Crack 296
Wood Paste 297

FILLERS—
Egg Crate 340
Fruit Jar, Enamelled (Grey) 353
" " " (White) 359
" " Tin 366
Thermos Bottle 560
Vacuum " 560, 562

FINGERS—
Grain Cradle 282

Finishing Nails, (Wire) 202
Fire Baskets 376A
" Buckets 373
" Extinguisher Liquid 188, 461
" Extinguishers 188, 461
" Pots, Gasoline 161
" Shovels 376
Firemen's Axes 67
Fireplace Dampers 377A
Firmer Chisels, Socket 97
" " Tanged 98
" Gouges " 98
Fish Platters, "Pyrex" 565
" Scalers 436
Fishing Baits 432, 433
" Buckets, Minnow 436
" Clincher, Gaffs 436
" Floats 435
" Gut Leaders 435
" Hooks 434, 435
" Lines 430-432
" Nets 436
" Poles 428
" Reels 429
" Rods 428
" " "SAMSON" 428
" Sinkers 435
" Spears 436
" Swivels 436

FITTINGS—
Iron Pipe 166-168
Screen Door 28, 187

FIXTURES—
Grindstone 137
Screen Door 28, 187
Stall 244

Flap Hinges 25
Flashlight Batteries 463
" Bulbs 463

FLASHLIGHTS— 462, 463

Flat Nose Pliers 141
" Ware, Table 534-559

FLOATS—
Fish Line 435
Tank 173

Floor Brushes 307
" Hinges 30
" Hooks 285
" Mops 338
" Thimbles 377
" Wax 301
" Waxers 301
Flooring Nails (Wire) 202
Flour Cans, Japanned 369
" Sieves 363
" Sifters 341, 363
Flower Baskets, Engraved Glass 570
" Vases, Cut Glass 568
" " Engraved Glass. 571
Flue Stops 376
" Thimbles 376, 377
Flush Bolts 22
" Pulls 37
" Trap Door Rings 36
" Rings 37

Page

Fly Repellant 436
" Scoot 178
" Swatters 341
Folding Key Blanks 15
" Rules 126-130
" Scissors 505
Food Choppers 326, 327
" Chopper Parts 327
Foot Bolts 22
" Scrapers 39
" Valves 176
Force Cups 176
" Pumps, Hand 175
Fork D Tops 279
" Handles, Farm "SAMSON" 260
" " " 259
" Ferrules, Farm Tool ... 279
" Pulleys, Hay 285
" Tines, Farm Tool 279

FORKS—
and Spoons (Baby) "Ambassador" 547
Barley, "SAMSON" 264
" "WAVERLEY" ... 271
Barn, "SAMSON" 265
" "WAVERLEY" 271
Bean "SAMSON" 265
Beet "SAMSON" 264
" "WAVERLEY" 273
Cake, "Adam" 543
" "Bird of Paradise" .. 536
" "Grosvenor" 540
" "Old Colony" 551
Chaff, "SAMSON" 265
" "WAVERLEY" 271
Coke, "WAVERLEY" 274
Cold Meat, "Adam" 543
" " "Ambassador". 548
" " "Bird of Paradise" 533
" " "Grosvenor" .. 539
" " "Marquis" 557
" " "Niagara" 553
" " "Old Colony" .. 551
" " "WAVERLEY" 555
Dessert, "Adam" 544
" "Ambassador" ... 548
" "Bird of Paradise" 536
" "Grosvenor" 540
" "Marquis" 558
" "Nevada" 559
" "Niagara" 553
" "Old Colony" 551
" Round 559
" Tipped 559
" "WAVERLEY" ... 555
Ensilage, "SAMSON" 266
" "WAVERLEY" .. 271
Garden 280
Hay, "SAMSON" 264
" "WAVERLEY" 271
Lemon, "Grosvenor" 540
Manure 278
" "SAMSON" ... 262-263
" "WAVERLEY" 272-273
Pickle, "Adam" 544
" "Ambassador" 548
" "Bird of Paradise". 533
" "Grosvenor" 539
" "Marquis" 557
" "Old Colony" 551
Potato, "SAMSON" 266
" "WAVERLEY" ... 274
Salad (Individual) "Adam" 544
" " "Ambassador" 548
" " "Bird of Paradise" 536
" " "Grosvenor". 540
" " "Old Colony" 550
" Serving " " 551
Spading, "SAMSON" 265
" "WAVERLEY".. 273
" 278
Straw, "SAMSON" 264

Page

FORKS—
Table, "Adam" 544
" "Ambassador" 548
" "Bird of Paradise" 536
" "Grosvenor" 540
" "Marquis" 558
" "Nevada" 559
" "Niagara" 553
" "Old Colony" 551
" Round 559
" Tipped 559
" "WAVERLEY" 555
Foundry Riddles 132

FOUNTS—
Driving Lantern 390
Jar (Poultry) 180
Oil Lamp 387

Frame Clamps, Quilt 119
" Points, Picture 205

FRAMES—
Buck Saw 112
Candle Lamp 387
Casserole 563
Hack Saw 111
Pipe Wrench 146

Framing Chisels, Socket 97

FREEZERS—
Ice Cream 198

French Window Catches 31
Friction Door Catches 32
" Tape 440, 443
Front Door Lock Sets 9
" " " "Colonial".. 5, 9
" " " Cylinder ... 2
" " " Sectional.... 2
" " " "Sutherland" 2, 3, 4, 9
" " " "Wellington" 6, 7, 9
Fruit Jar Covers 329
" " Fillers, Enamelled (Grey) 353
" " " " (White) 359
" " " Tin 366
" " Rings 329
" " Screw Tops 329
" Presses 328, 340
" Knives, "Adam" 544
" " "Bird of Paradise" 536
" " "Grosvenor" 540
Fry Pans, Aluminum 346
" " Cast Iron 375
" " Enamelled (Grey) .. 354
" " Steel 375
Fuller Balls 173
Funnel Measures 453

FUNNELLS—
Enamelled (Grey) 353
Tin 366
Wooden 288

Furnace Cement 379
" Scoop Shovels 256
Furniture Escutcheons 36
" Knobs 35A
" Nails 312
" Polish 298, 299
" Shoes 52A

FUSE—
Safety 407
Fuse Plugs 465

G

GAFFS—
Clincher 436

Gall Cure 178
Galvanized Fence Wire 181
" Iron Sheets 164
" Slating Nails 203
Game Traps 248, 249
" Trap Clamps 250

Page

Garage Door Hangers 452
" " Hanger Track ... 452
" " Sets 10, 452
Garbage Cans 373
Garden and Farm Tools, "SAMSON" 261-269
" " "WAVERLEY" 270-278
" Forks 280
" Hoes, "SAMSON" 267
" " "WAVERLEY" . 275
" " 278
" Rakes "SAMSON" ... 269
" " "WAVERLEY" . 277
" " 278
" Shears 193
" Spades 251
" Tool Sets 280
" Trowels 281
" Wheelbarrows, "SAMSON" 287
Garment Hangers 340
Gas Lighters 378
" Lighter Tips 378
" Pipe, Iron 166
" Tubing 166
" " ends 166
Gasket Cement 460

GASKETS—
Gauge Glass 171

Gasoline Fire Pots 161
" Lamp Globes 389
" " Mantles 389
" " Parts 389
" " Screens 389
" " Shades 389
" Lamps 388
" Lantern Chimneys .. 389
" " Parts 389
" Lanterns 388
" Sad Irons 330
" Torches 161
Gate Hooks and Eyes 41
" " " Staples 46
" Valves 169

GATES—
Lawn Fence 184
Molasses 174
Oil 174

Gauge Glasses 171
" Glass Cutters 171
" " Washers 171

GAUGES—
Auto Tire Pressure 444
Bit 120
Butt 120
Marking 120
Mortise 120
Saw Set 116
Wire 132
Gauntlets, Hockey 414
Gift Sets, "Pyrex" 565
Gimlet Bits 90

GIMLETS—
Nail 90

Gimp Tacks 206

GIRTHS— 238

GLASS—
Cut 566-569
Engraved 570-571
Caster Cups 52A
Oven, "Pyrex" 563-565
Water 340
Window 291

Glass Cutters 291
" " Gauge 171
" Cutter Wheels 291
" List, Window 290
" Percolator Tops 345
" Plates, Looking 35

E
F
G

Page

GLASSES—
Cut Glass 569
Engraved Glass 571
Gauge 171
Level 123
Glaziers Diamonds 291
" Laths 130
" Points 292
Globe Valves 169

GLOBES—
Lamp, Gasoline 389
Lantern 386
Glovers Needles 324

GLOVES AND MITTS 308-309
Fielders, Baseball 418, 419

GLUE—
Canoe 436
LePages 139
Liquid 139
Sheet 138
Goal Pads, Hockey 414
Gold Enamel 296
" Paint 296

GOUGES—
Tanged Firmer 98
Grab Hooks 240
Grain Cradle Fingers 282
" " Scythes 282
" Scoops 255
Graining Combs 292
" Rolls 292

GRAPHITE—
Flake 380
Grass Catchers 193
" Hooks 284
" Scythes 282
" Shears 194

GRATES—
Trap 39

GRATERS— 366
Gravy Ladles, "Adam" 543
" " "Ambassador" . 547
" " "Bird of Paradise" 535
" " "Grosvenor" ... 539
" " "Marquis" 557
" " "Niagara" 553
" " "WAVERLEY". 554

GREASE—
Axle 239
Cup 453
Grease Cups 171, 451
" Guns 451
" Remover 296, 460

GREEN—
Paris 178

GRINDERS—
Auto Valve 459
Horse Clipper Knife 246
Sheep Shearing Knife 246
Tool 137
Grinding Compound Valve 136, 459
Grindstone Fixtures 137

GRINDSTONES—
Loose 137
Mounted 137

GRIT—
Oyster 178
Grit Boxes, Poultry 180
Grocers Scoops 364
Grocery Cans 369
Grub Hoes 76

GUARDS—
Leg, Hockey 414
Trouser 440

Page

GUIDES—
Baseball 423

GUM—
Auto Tire Repair 444
Roofing 223A
Gun Caps 407
" Cleaners 409
" Covers 408
" Oil 410
" Powder 407
" Sights 408
" Swabs 409
" Wads 407

GUNS—
Grease, Auto 451
Shot 394, 395
Gut Leaders, Fishing 435

H

Hack Saw Blades 111
" " Frames 111

HAFTS—
Awl 99
Peg Awl 99
Sewing Awl 99
Hair Brooms 307
" Clippers 515
" Wire 180
Half Traces (Chain) 243
Halter Chains 243

HALTERS—
Horse 238
Ham Slicers 520
Hame Clips 226
" Fasteners 226
" Rivets 216
" Staples 226
" Straps 239

Hammer Handles
" Machinists, "SAMSON" 77
" Nail, "SAMSON" 77
" " "WAVERLEY" . 77
" Rivetting, "SAMSON" 77
" Sledge, "SAMSON" .. 77

HAMMERS—
Brick 73
Cross Cut Saw 116
Farriers 73
Joiners 72
Machinists 72, 458
Masons 75
Nail 70-72
" "SAMSON" 70
" "WAVERLEY" 71
Post 75
Rivetting 72
Setting 73
Shoe 73
Striking 75
Tack 73
Hammock Chains 194
" Hooks 45, 194

HAMMOCKS—
Couch 195
"SAMSON" 196, 197
Hand Boring Machine Augers . 89
" Brushes 306
" Cleaner 380
" Drills 94
" Force Pumps 175
" of Doors 1
" Rail Brackets 39
" " Screws 39
" Saw Handles 116
" Saws 107, 108
" " "SAMSON" 107
" " "WAVERLEY" 108
" Scrapers 105

Page

Hand Sieves, Contractors 132
" Tally Registers 125
" Taps, Calk 158A
" " Plug 152
" " Taper 152
Handled Axes 64-67
" " Boys 67

HANDLES—
Adze 77
Awl 99
Axe, Bench, "SAMSON" .. 77
" Boys 79
" Broad, "SAMSON" ... 78
" Chopping 78, 79
" Chopping, "SAMSON" 78
" Hunters, "SAMSON". 77
Barley Fork, "SAMSON" . 260
Brick Trowel 132
Cant Hook 144
Carpet Sweeper 310
Chest 36
Chisel 98
Clothes Wringer 332
Coke Fork 259
Drawer 34
Ensilage Fork 259
Farm Tool 259, 260
" " "SAMSON" ... 260
File 99
Hammer, "SAMSON" 77
" "WAVERLEY" .. 77
Hatchet, "SAMSON" 77
Hay Fork 259, 260
Hoe 259, 260
Landing Net 436
Lifting 37
Manure Fork 259, 260
Mop, (Liquid Veneer) 299
" O'Cedar 298
Mortar Hoe, "SAMSON" .. 260
Peavie 144
Pick 77
Pike Pole 144
Plane 105
Post-Hole Spoon 259
Pump 175
Rake 259, 260
Sad Iron 329
Saw, Compass 116
" Cross Cut 115-116
" Hand 116
" Ice 116
Scoop Shovel 258
Screw Driver 99
Shovel 258
Sledge, "SAMSON" 77
Soldering Copper 160
Spade 258
Spading Fork, "SAMSON" 260
Store Door 18, 19
Thermos Cup 560
Tray 33
Hanger Track, Barn Door 51
" " Parlor Door ... 50
" " Garage Door .. 452

HANGERS—
Barn Door 50, 51
Garage Door 452
Garment 340
Parlor Door 50
Picture 315
Harness Dressing 239
" Hooks 234
" Needles 324
" Rings 229
" Snaps (All Kinds) 228-229
Harvest Tools, "SAMSON" 261-269
" "WAVERLEY" 270-278

HASPS—
Crate 46
Hinge 37, 46
Hooks and Staples 46
Safety 46

Page

Hat and Coat Hooks 40
Hatchet Handles, "SAMSON" . 77

HATCHETS—
Barrel 69
Claw 69
Lath 69
Shingling 69
Hay Baling Wire 181
" Fork Ferrules 279
" " Handles 259
" " Pulley Sheaves 285
" " Pulleys 285
" " Tines 279
" Forks, "SAMSON" 264
" " "WAVERLEY" ... 271
" Knives 283
" Rakes 283

HEALER—
Auto Tire Cut 443
Heater, Coal Carriage ... 391, 450
" Elements, Electric ... 392

HEATERS—
Carriage 391, 450
Electric 392
Oil 392
Heating Pads, Electric 572
Heavy Strap Hinges 26
" T " 27
Heel Chains 243
" Plates 208

HEELS—
Leather 209
Rubber 208
Hemp Rope 220
Hexagon Sockets 150, 455
Hinge Hasps 37, 46
" Nails (Wire) 203

HINGES—
Back Flap 25
Chest 25
Floor 30
Screen Door Spring 28
Screw Hook and Strap ... 27
Spring Floor 30
Strap 26, 27
Surface 25
T 27
Table 25
Toilet 25A
Hitching Rings 229
Hob Nails 207
Hockey Body Protectors 422
" Gauntlets 414
" Goal Pads 414
" Leg Guards 414
" Pucks 414
" Sticks 416

HODS—
Coal 376
Hoe Ferrules 279
" Handles 259
" " "SAMSON" 260

HOES—
Bean, "SAMSON" 267
" "WAVERLEY" 275
Beet, "SAMSON" 268
" "WAVERLEY" 275
Carrot, "SAMSON" 268
" "WAVERLEY" ... 276
Clay 76
Corn Cutter, "SAMSON" 269,284
" "WAVERLEY" 278,284
Cultivator, "WAVERLEY" 276
Dutch, "SAMSON" 268
" "WAVERLEY" ... 276
Field, "SAMSON" 267
" "WAVERLEY" ... 275
Field 278
Garden, "SAMSON" 267
" "WAVERLEY" .. 275
" 278

Page

HOES—
Grub ... 76
Ladies, "SAMSON" ... 267
" "WAVERLEY" ... 275
Mortar, "SAMSON" ... 269
" "WAVERLEY" ... 276
Turnip, "SAMSON" ... 268
" "WAVERLEY" ... 275
Weeding, "SAMSON" ... 268
" "WAVERLEY" ... 276
Hog Rings ... 230
" Ringers ... 230
" Scrapers ... 230

HOISTS— ... 182, 219

HOLDERS—
Card ... 33
Door ... 30
Driving Lantern ... 390
Electric Light Shade ... 466
Extension Bit ... 93
Toilet Paper ... 317
Hole Borers, Bung ... 174
Hollow Augers ... 91
" Punches ... 159

HONES—
Razor ... 514

Hoof Parers ... 145
Hook and Strap Hinges ... 27
" Bolts, Cant ... 144
" Clasps, Cant ... 144
" Handles, Cant ... 144
" Sash Lifts ... 32

HOOKS—
And Eyes ... 41
" " Gate ... 41
" Ferrules ... 225
" Staples, Gate ... 46
" " Wire ... 46
Basket ... 185
Bathrobe ... 40
Belt ... 218
Bench ... 119
Bird Cage ... 342
Box ... 74
Brush ... 286
Cant ... 144
Ceiling ... 39, 45
Chandelier ... 45
Chain ... 240
Clothes Line ... 45
Coat and Hat ... 40
Corn ... 284
Cornice ... 44
Cup ... 41
Curtain Rod ... 313
Drapery ... 313
Fence ... 182
Fish ... 434, 435
Floor ... 285
Grab ... 240
Grass ... 284
Hammock ... 45, 194
Harness ... 234
Hasps and Staples ... 46
Hat and Coat ... 40
Hook and Strap Hinge ... 27
Key Ring ... 320
Manure, "SAMSON" ... 266
" "WAVERLEY" ... 274
Meat ... 328
Moulding ... 314
Piling ... 144
Potato, "SAMSON" ... 266
" "WAVERLEY" ... 274
Rafter ... 285
Reaping ... 284
" "SAMSON" ... 284
Screw, Brass ... 41
" Bright Wire ... 42
Slide ... 240
Weeding ... 280
Whiffletree ... 226
Hoops, Childrens ... 439

Page

Horse Bits ... 227
" Blanket Pins ... 238
" Blankets, "SAMSON" ... 237
" Brushes ... 235
" Clipper Plates ... 245
" Clippers (Hand) ... 245
" Clipping Attachments ... 246
" " Machine parts 247
" " Machines ... 246
" Rasps ... 87
" Shoe Calks ... 158
" " Nails ... 158
" Shoes ... 158
" Singers ... 245
" Whips ... 235, 236

HORSES—
Clothes ... 337

HOSE—
Rubber, Water ... 188

Hose Bibbs ... 172
" Clamps ... 189
" Couplings ... 189
" Ends ... 172
" Menders ... 189
" Nozzles ... 189
" Reels ... 188
" Washers ... 188
Hot House Pulleys ... 48
" Shot Batteries ... 448
House Brooms ... 307
" Figures ... 21
" Furnace Scoops ... 256
" Numbers ... 21
" Pulleys, Hot ... 48
Household Scales ... 289

HULLERS—
Strawberry ... 328

Hungarian Nails ... 207
Hunters Axes ... 68
" Axe Handles, "SAMSON" 77
" Whistles ... 409
Hydrant Keys ... 171
Hydrated Lime ... 380A

HYDROMETERS—
Battery ... 450

I

Ice Chippers ... 198
" Cream Freezers ... 198
" " Scoops ... 198
" Creepers ... 210
" Picks ... 198
" Saw Handles ... 116
" Saws ... 115
" Skate Brackets ... 413
" Skates ... 412, 413
" Tongs ... 198

Implement Brackets ... 280
Incubator Thermometers ... 180

INCUBATORS— ... 179

INDICATORS—
Speed ... 132

Individual Bakers, "Pyrex" ... 565
Indoor Baseball Bats ... 422
" Baseballs ... 421
Infants Baths, Japanned ... 369

INSECTICIDES— ... 178

INSETS—
Tea Kettle, Aluminum ... 344

Inside Door Lock Sets ... 8
" " "Coloniol" 5, 8
" " "Sutherland" 3, 4, 8
" " "Wellington" 6, 7, 8

INSIDES—
Auto Tire Valve ... 444

Page

Inspection Lamps, Auto ... 447
Insulation Tape ... 440, 443

IRON—
Bar ... 164
Galvanized Sheet ... 165
Iron Cement ... 373
" Handles ... 329
" Pipe ... 166
" " Fittings 166-168
" Rivets, Norway ... 216
" Washers ... 215

IRONS—
Anchor ... 39B
Centre ... 225
Corner ... 38
Curling ... 319
Electric Sad ... 330
Gasoline Sad ... 330
Plane ... 105
Sad ... 330
Sash Cord ... 30
Soldering ... 160
Spoke Shave ... 106
Turf Lifting ... 281
Neck Yoke ... 225

J

Jack Chain ... 242
" Knives, "Bokers" ... 483, 484
" " "Crookes" ... 467, 469
" " "German" ... 495, 498
" " "Wostenholms" 476, 478
" Screws ... 75
Jacketted Coal Oil Cans ... 367

JACKS—
Automobile ... 80, 446
Lawn Bowl ... 426
Wagon ... 80
Jam Spoons, "Marquis" ... 556

JAPAN—
Brown ... 295
Jar Founts, Poultry ... 180
" Rings, Fruit ... 329
" Tops " ... 329

JARS—
Marmalade, Engraved Glass 570
Covers ... 329
Fillers, Fruit, Enamelled (Grey) 353
" " " (White) 359
" " Tin ... 366

JAWS—
Bit Brace ... 93
Pipe Wrench ... 146
Jelly Cake Pans, Aluminum ... 346
" " " Tin ... 366
" " Plates, Enamelled (Grey) 351
" " " " (White) 357
" " " Tin ... 363
" Servers, "Adam" ... 543
" " "Bird of Paradise" 534
" " "Grosvenor" ... 538
" " Strainers, Tin ... 363
Joiners Axes ... 68
" Hammers ... 72

JOINTERS—
Saw ... 118

Juice Extractors, Lemon ... 325

JUGS—
Cream, Cut Glass ... 567
" Engraved Glass ... 571
Thermos ... 560
Water, Cut Glass ... 569
" Enamelled (Grey) ... 351
" " (White) 358
" Engraved Glass ... 571

Page

K

Kalsomine Brushes ... 304

KARS—
Kiddie ... 438

KETTLES—
Berlin, Aluminum ... 344
Convex, Enamelled (Grey) 349
London, " " 349
Preserving, Aluminum ... 344
" Enamelled (Grey) 349
Range, Nickel Plated ... 360
Tea, Aluminum ... 344
" Cast ... 375
" Enamelled (Grey) ... 351
" " (White) ... 358
" Nickel Plated ... 360
" Tin ... 363, 365

Key Blanks, Cylinder ... 14
" " Door Lock ... 15
" " Folding ... 15
" Escutcheons ... 36
" Rings ... 320
" Ring Hooks ... 320
Keyhole Escutcheons ... 36
" Saw Blades ... 109

KEYS—
Bag Lock ... 16
Cabinet Lock ... 16
Door Lock ... 15
Hydrant ... 171
Night Latch ... 14
Roller Skate ... 427
Trunk Lock ... 16

Kiddie Kar Parts ... 438
" " Trailers ... 438
Kiddie Kars ... 438
Kitchen Bowls, Enamelled (Grey) 350
" " " (White) 356
" Knives ... 517, 518
" Saws ... 110

KITS—
Lunch, Vacuum ... 561, 562

Kneading Pans, Enamelled ... 354
" " Tin ... 365

Knife Grinders, Horse Clipper 246
" Sharpeners ... 526

KNIVES—
Boning ... 519
Bread ... 520
" "Adam" ... 558
" "Ambassador" ... 548
" "Bird of Paradise" 536
" "Grosvenor" ... 540
Butcher ... 519
Butter, "Adam" ... 544
" "Ambassador" ... 547
" "Bird of Paradise" 536
" "Grosvenor" ... 540
" "Marquis" ... 558
" "Niagara" ... 558
" "Old Colony" ... 557
" "WAVERLEY" ... 554
Canoe ... 410
Cooks ... 519-520
Dessert, "Adam" ... 545
" "Ambassador" ... 549
" "Bird of Paradise" 537
" Celluloid Handle 523, 524
" "Grosvenor" ... 541
" "Marquis" ... 558
" "Old Colony" ... 552
" "Niagara" ... 553
" Round ... 559
" Silver Plated Handle 522
" "WAVERLEY" ... 555
" Wood Handle ... 522
Farriers ... 520
Draw ... 106

H
I
J
K

Page

KNIVES—
Fruit, "Adam" 544
" "Bird of Paradise" 536
" "Grosvenor" 540
Hay 283
Jack, "Crookes" 467, 469
" "Bokers" 483-484
" German 495-498
" "Wostenholms". 476-478
Kitchen 517-518
Mincing 329
Paper Hangers 293, 516
Paring 517, 518
Pocket, "Crookes" ... 467, 475
" "Bokers" 483, 494
" "German" 495, 503
" "Wostenholms" 476-482
Putty 293, 516
Shoe 520
Skinning 519
Sportsmen's 410
Sticking 519
Table, "Adam" 545
" "Ambassador" 549
" "Bird of Paradise" 537
" Celluloid Handle 523, 524
" "Grosvenor" 541
" "Marquis" 558
" "Niagara" 553
" "Old Colony" 552
" Round 559
" Silver Plated Handle 522
" "WAVERLEY" 555
Wall Scraping 293, 516

Knives and Forks in Sets
" "Adam" 545
" "Ambassador" .. 549
" "Bird of Paradise" 537
" "Grosvenor" 541
" Iron Handle 521
" "Marquis"..... 558
" "Old Colony" ... 552
" Silver Plated 521-522
" "Waverley" 555
" Wood Handle ... 521

Knob Latches, Mortise 13
" " Rim 11
" Locks, Mortise 13
" " Rim 11
" Screws, Door 13
" Spindles, Door 13

KNOBS—
Door 14
Drawer 35
Furniture 35
Shutter 35

KOASTERS—
Childrens 438

Kraut Cutters 328

L

Lace Scissors 507

LACES—
Belt 218

LADDERS—
Step 337

Ladies Hoes, "SAMSON" 267
" " "WAVERLEY" . 275
" Scissors 505
" Spades 280

LADLES—
Butter 339
Cream, "Adam" 543
" "Ambassador" ... 547
" "Bird of Paradise" 535
" "Grosvenor" 539
" "Marquis" 557
" "Niagara" 553

Page

LADLES—
Gravy, "Adam" 543
" "Ambassador" ... 547
" "Bird of Paradise" . 535
" "Grosvenor" 539
" "Marquis" 557
" "WAVERLEY" ... 554
Melting 161
Soup, Enamelled (Grey) .. 354
" " (White). 358
" Tin 364

Lamp Brackets, Oil 387
" Burners, Oil 385
" Chimneys, Oil 385-386
" Frames, Candle 387
" Founts, Oil 387
" Globes, (Gasoline) 389
" Mantles, (Gasoline 389
" Parts, (Gasoline) 389
" Reflectors, Oil 387
" Screens, (Gasoline) 389
" Shades, Gasoline 389
" Sockets, Auto 447
" Trimmers 507
" Wick, Oil 385

LAMPS—
Electric 464
" Auto 447
Flashlight 463
Gasoline 388
Horse Singeing 245
Inspection 447
Oil Stand 387
" Wall 387
Trouble 447

Lantern Brackets, Driving ... 390
" Burners, Oil 385
" Chimneys, (Gasoline) 389
" Founts, Driving 390
" Globes, Cold Blast ... 386
" Lens, Driving 390
" Mantles, (Gasoline) . 389
" Parts, Gasoline 389
" Wick, Oil 385

LANTERNS—
Cold Blast 390-391
Dietz 390
Driving 390
Gasoline 388
Hand 390

Landing Nets, Fish 436
" Net Handles 436
" " Rings 436

Lard Presses 328

LASHES—
Whip 235

Last Stands 209

LASTS—
Boot and Shoe 209
Cobblers 209

Latch Key Blanks 14
" Sets, Rim 10A
" Sets, Sliding Door "Sutherland" 4, 10
" " "Wellington" 6, 10

LATCHES—
Barn Door 19
Mortise Knob 13
Rim Knob 11
" Night 12
Thumb 19

Lath Cloth 184
" Hatchets 69
" Nails (Wire) 202
" Yarn 220

LATHS—
Glaziers 130

Lawn Border 183
" Bowl Bags 426
" Bowls, "SAMSON" 426
" Fence Gates 184

Page

Lawn Fencing 184
" Mowers 190-192
" Rakes 281
" " "WAVERLEY" ... 277
" Rollers 192
" Scythes 282
" Seats 195
" Sprinklers 189
" Swings 195
" Trimmers 191

LEAD—
Arsenate of 178
White 292

Lead Pencils 324

LEADERS—
Cattle 230
Gut 435

LEADS—
Dog 250

Leather Dressing 210
" Halters 238
" Heels 209
" Laces, Belt 218
" Soles 209

LEATHERS—
Pump 176
Valve 176

Leg Bands, Poultry 178
" Guards, Hockey 414
LePages Glue 139
Lemon Forks, "Grosvenor" ... 540
" Juice Extractors 325

LENS—
Driving Lantern 390

Letter Box Borders 3, 4, 20
" " Plates, "Colonial" 5, 20
" " " "Sutherland" 3, 4, 20

Level Glasses 123
" Sights 123

LEVELS—
And Plumbs 121-123
Bit and Square 123
Carpenters 121-123
Masons 121-122
Metallic 123
Pocket 123

Lice Powder 178
Lid Lifters, Stove 378

LIFTERS—
Auto Valve Spring 459
Stove Lid 378

Lifting Handles 37
" Irons, Turf 281

LIFTS—
Sash 32
Top 209
Transom 32A

Light Strap Hinges 26
" T " 27
Lighter Tips, Gas 378

LIGHTERS—
Gas 378

Lighting Outfits, Electric 447

LIME—
Hydrated 380A

Linen Tapes 131
Line Cleats 45
" Deep Sea 220
" Hooks, Clothes 45
" Pulleys, Clothes 49
" Reels, Clothes 49, 336
Lineman's Pliers 142

Page

LINES—
Chalk 101
Clothes 336
Fishing 430-432
Masons 101
Plow 239

LINING—
Auto Brake 451
Furnace 379
Stove 379

Lining Nails 206

LINKS—
Repair 240

Linoleum Binding 316
Lipped Sauce Pans, Aluminum. 343

LIQUID—
Fire Extinguisher ... 188, 461
Bronzing 295

Liquid Glue 139
" Measures, Enamelled (Grey) 353
" " Tin 366
" Veneer Polish and Mops 299

LISTS—
Carriage Bolt 213
Coach Screw 214
Cut Nail 199
File and Rasp 83
Glass 290
Machine Bolt 213
Plow Bolts 214
Screw (Wood) 211
Stove Bolt 214
Tack 204
Tire Bolt 214
Wire Nail 200-201

Load Binders 242
Loaded Shells 405-406
Loading Blocks 144
" Chain 241
" Sets 409

Lock Keys, Bag 16
" " Cabinet 16
" " Door 15
" " Trunk 16
" Nuts, Iron Pipe 167
" Oil Faucets 173
" Sets, Bathroom Door "Wellington" 7, 10
" " Cylinder 2
" " Front Door 9
" " " "Colonial" 5, 9
" " " "Sutherland"2, 3, 4, 9
" " " "Wellington" 6, 7, 9
" " Inside Door 8
" " " "Colonial" 5, 8
" " " "Sutherland" 3, 4, 8
" " " "Wellington" 6, 7, 8
" " Rim, "Wellington" 7, 10
" " Sectional 2
" " Store Door 17, 18
" Strikes 14
" Washers 215, 453

LOCKS—
Bicycle (Padlock) 57
Chest 60
Desk 61
Dog Collar Padlock 57
Drawer 61
Garage Door 11
Mortise Knob 13
Motorcycle (Padlock) 57
Oar 138A
Padlocks 53-59
Rim Dead 11
" Knob 11
Sash 31
Suit Case 63
Till 61
Tool Chest 63
Trunk 63
Wardrobe 62

Page
Log Chain Swivels 240
" Rules 125
Logging Chains 240
Long Chain Nose Pliers 141
" Cutter Mattocks 76
" Eye Augers 89
London Kettles, Enamelled (Grey) 349
Looking Glasses 317
" Glass Plates 35
Loose Grindstones 137
" Pin Butts 24
Lubricating Oil 297
Lumber Crayons 100
Lunch Boxes 562
Lunch Kits, "Thermos" ... 561-562

M

Machine Augers, Hand Boring 89
" Bolts 212
" Drainers, Washing .. 334
" Springs, Washing .. 334

MACHINES—
Boring 91
Horse Clipping 246
Sheep Shearing 246
Washing 333, 334
Machinists Drift Punches 74
" Hammer Handles, "SAMSON" 77
" Hammers 72, 458
" Punches 160
" Vises 156
" Wrenches 147, 148

MAGAZINES—
Rifle 407
Magneto Files 86, 453
Mail Boxes 20A

MAKERS—
Bread 374

MALLETS—
Carpenters 101
Tinners 101
Mane Combs 234A

MANGLES—
Clothes 335
Manicure Scissors 506-507

Manila Rope 220
MANTLES—
Gasoline Lamp 389
Manure Drags "SAMSON" ... 266
" " "WAVERLEY" . 274
" Fork Ferrules 279
" " Handles ... 259-260
" Forks 278
" " "SAMSON" 262, 263
" " "WAVERLEY" 272, 273
Marine Canoe Glue 436
Mariners Compasses 250

MARKERS—
Bowling Green 426
Tennis Court 426
Marking Crayons 100, 324
" Gauges 120
" Pencils 100, 324

MARLIN—
Tarred 220
Marmalade Jars, Engraved Glass 570

MASKS—
Catchers, Baseball 423
Masons Hammers 75
" Lines 101
Match Boxes 410
" Safes 370

MATS—
Auto 450
Door 311
Stove 341

Page
MATTOCKS—
Long Cutter 76
Pick 76

MAULS—
Post 75
Wood Choppers 76

MEASURES—
Counter 130
Dry 288
Funnel 453
Liquid, Enamelled (Grey) 353
" Tin 366
Vinegar 288

Measuring Pumps 174
" Tapes 131, 132
Meat Chopper Parts 327
" Choppers 326, 327
" Cleavers 329
" Hooks 328
" Platters, "Pyrex" 565
" Pounders 329
Medium Strap Hinges 26
" T " 27
Melting Ladles 161
" Pots 161

MENDERS—
Hose 189

"Mendets" 139
Mending Plates 38

METAL—
Babbitt 165

Metal Gas Tubing 166
" Polish 300, 461
Metallic Cartridges 400-403

METERS—
Dry Battery 448
Pocket 448

Milk Boilers, Enamelled (Grey) 348
" " " (White) 355
" Pails, Aluminum 346
" " Enamelled (Grey) . 350
" " " (White) . 356
" Pans " (Grey) .. 350
" " " (White) 357
" Skimmers, Tin 364
" Strainers, Tin 368

MILLS—
Coffee 325

Mincing Knives 329
Minnow Buckets 436
Mirror Plates 35

MIRRORS— 317

Mitre Boxes 119
" Squares 124

MITTS—
and Gloves 308, 309
Basemen's, Baseball 420
Catches, Baseball 417-418

MIXERS—
Bread 374

Mixing Bowls, Enamelled (Grey) 350
" " " (White) 356
Molasses Gates 174
Money Drawers 288
Mop Cloths 338
" Sticks 338
" Wringers 338

MOPS—
Dusting (Liquid Veneer) . 299
" (O'Cedar) 298
Floor 338
Polishing (Liquid Veneer) 299
" (O'Cedar) 298

Mortar Hoes, "SAMSON" 269
" " "WAVERLEY" . 276
" Hoe Handles "SAMSON" 260

Page
Mortise Gauges 120
" Knob Latches 13
" " Locks 13
Motor Cases, "Thermos" 561

MOTORS—
Electric, Household 572

Motorcycle Padlocks 57
Moulders Bellows 157A
" Shovels 254
Moulding Hooks 314
" Nails (Wire) 203

MOULDS—
Butter 339

Mounted Grindstones 137
Mouse Traps 342

MOVERS—
Car 76

Mower Files 136

MOWERS—
Lawn 190-192

MUCILAGE— 139

Muffin Pans, Tin 363
Mugs, Drinking, Enamelled (Grey) 352
" " " (White) 357
Muresco Brushes 304

N

Nail Brushes 306
" Claws 74
" Gimlets 90
" Hammers 70-72
" Hammers, "SAMSON" .. 70
" " "WAVERLEY" 71
" List (Cut) 199
" " (Wire) 200-201
" Pullers 74
" Sets 91
" Scissors 506

NAILS—
Basket 203
Box 203
Chair 312
Clinch (Cut) 199
Clout 205
Cut 199
Finishing 202
Flooring 202
Furniture 312
Hinge 203
Hob 207
Horse Shoe 158
Hungarian 207
Lath 202
Lining 206
Moulding 203
Picture 316
Roofing 203, 223
Shoe 207
Slating 203
Trunk 205
Wire 202-203

NAPPIES—
Cut Glass 566-567
Engraved Glass 570

Neckyoke Clevises 225
" Irons 225

NECKYOKES— 145

NEEDLES—
Glovers 324
Harness 324
Packing 324
Sack 324
Sewing Awl 99

Nest Eggs 178,340
" of Saws 109

Page
Net Handles 436
" Rings, Landing 436

NETS—
Landing Fish 436
Lawn Bowl 426
Tennis 425

NETTING—
Poultry 183

Netting Staples, Poultry 185
Night Latch Keys 14
" Latches, Rim 12

NIPPERS—
Cutting 143

NIPPLES—
Iron Pipe 168

Norway Iron Rivets 216

NOZZLES—
Hose 189

NUMBERS—
House 21

Nut Cracks 320
" Wrenches ... 147,-148, 456-457

NUTS—
Lock, Iron Pipe 167
Pipe Wrench 146
Roller Skate 427
Square Tapped 215
Stove Bolt 215
Thumb 215
Wing 215

O

O and A Wire 181
O'Cedar Mops and Polish 298
Oarlocks 138A
OAKUM—
Plumbers 138
Offset Pliers 141, 458

OIL—
Gun 410
Lubricating 297

Oil Bottles, Cut Glass 568
" " Engraved Glass . 570
" Cans, Galvanized 373
" " Jacketted 367
" " Tin 367
" Faucets 173
" Gates 174
" Heaters 392
" Lamp Brackets 387
" " Burners 385
" " Chimneys 385,386
" " Founts 387
" " Reflectors 387
" " Wick 385
" Lamps 387
" Slips 135
" Stones 134-135
" Stove-Ovens 384
" " Wick 384
" Stoves, Cooking 384
Oilcloth Binding 316
Oiled and Annealed Wire 181

OILERS—
All kinds 162, 163, 453

Olive Dishes, Cut Glass 567
" Spoons, "Adam" 542
" " "Ambassador" . 546
" " "Bird of Paradise" 534
" " "Grosvenor" ... 538
One Man Cross Cut Saws 115

OPENERS—
Can 219

L
M
N
O

Page
Orange Spoons, "Adam" 542
" " "Ambassador". 546
" " "Bird of Paradise" 534
" " "Grosvenor" .. 538
" " "Marquis" 556
" " "WAVERLEY" 554

OUTFITS—
Cobblers 210
Portable Electric Light .. 447

Oval Dishes, "Pyrex" 565
Oven-Glass, "Pyrex" 563-565

OVENS—
Oil Stove 384

Oyster Pails, Aluminum 346
" Shell 178

P

PACKING—
Asbestos Wick 220A
Rope 220

Packing Needles 324
Padlock Assortments 58, 59
" Bolts 452

PADLOCKS— 53-59
Automobile 445
Bicycle 57
Dog Collar 57
Motorcycle 57

PADS—
Hockey Goal 414
Sweat 239
Warming, Electric 572

PAILS—
Chamber, Enamelled (Grey) 354
" " (White) 359
" Galvanized 373
" Japanned 369
Children's Toy 438
Covered (Tin) 365
Dairy 368
" "SAMSON" 368
Dinner, Enamelled (Grey) 354
" Tin 365
Fibre 337
Milk, Aluminum 346
" Enamelled (Grey) . 350
" " (White) . 356
Oyster, Aluminum 346
Sap 374
Stock, Galvanized, "SAMSON" 371
Straight, Enamelled (Grey) 350
Strainer, "SAMSON" 368
Water, Aluminum 346
" Enamelled (Grey) . 349
" " (White) 356
" Galvanized, "SAMSON" 371
" " 372
" Tin 365

PAINT—
Aluminum 296
Auto Black Enamel 296
" Tire 460
Black Asphaltum 296
Flat Black Finish 295
Gold 296
Top and Seat Renewer .. 296

Paint Brushes 302-303
" Remover 295, 460
Painters Dust Brushes 305
Panel Saws 107, 108

PANS—
Bed, Enamelled (Grey) .. 354
" " (White) . 359
Biscuit, "Pyrex" 565
" Tin 364

Page
PANS—
Bread, "Pyrex" 564
" Steel 374
" Tin 364, 366
Cake 363, 366
Corn Cake, Tin 364
Dish, Aluminum 346
" Enamelled (Grey) ... 351
" " (White) . 357
" Tin 365
Dust 370
Feed 370
Fry, Aluminum 346
" Cast 375
" Enamelled (Grey) ... 354
" Steel 375
Jelly Cake, Aluminum 346
" " Enamelled (Grey) 351
" " " (White) 357
" " Tin 366
Kneading, Enamelled (Grey) 354
" Tin 365
Milk, Enamelled (Grey) .. 350
" " (White). 357
Muffin (Tin) 363
Patty " 364
Pie 366
Pudding, Aluminum 346
" Enamelled (Grey) 350
" " (White) 356-357
Roast, Enamelled (Grey) . 353
" Steel 374
Sauce, Aluminum 343
" Enamelled (Grey). 348
" " (White) 355
Turks Head, Tin 364

PAPER—
Asbestos 224
Building 224
Emery 138
Sand 138
Toilet 317
Wrapping 321-322

Paper Clips 325
" Files 325
" Hangers Base Trimmers 292
" " Casing Wheels. 292
" " Brushes ... 304, 305
" " Knives ... 293, 516
" " Paste 297
" " Seam Rollers . 292
" " Shears 505
" Holders, Toilet 317
Parafine Wax 329

PARERS—
Apple 328
Hoof 145

Paring Knives 517-518
Paris Green 178
Parking Lantern Lens 390
" Lanterns 390
Parliament Butts 25
Parlor Door Hanger Track 50
" " Hangers 50

PARTS—
Express Wagon 437
Food Choppers 327
Horse Clipper Machine ... 247
Kiddie Kar 438
Lamp, Gasoline 389
Lantern, Gasoline 389
Pipe Wrench 146
Roller Skate 427
Saw Set 117
Sheep Shearing Machine . 247
Spring Skate 413

PASTE—
Dry (Stickfast) 297
Soldering 160
Wood Filler 297

Page
PATCHES—
Auto Tube 443
Rubber 443

Patty Pans, (Tin) 364
Peavie Handles 144

PEAVIES— 144

Peg Awl Hafts 99
" Awls 99

PEGS—
Clothes 337

Pencil Clasps 120

PENCILS—
Carpenters 100
Lead 324
Marking 100, 324
Slate 325

Pepper and Salt Shakers, Aluminum 347
" " " Engraved Glass 571
" Boxes, Japanned 369
Percolator Tops, Coffee 345

PERCOLATORS—
Coffee, Aluminum 345
" Electric 572

Percussion Caps, ... 407
Petroleum Faucets 173
Pick Handles 77
" Mattocks 76

PICKS—
Clay 76
Ice 198
Nut 320

Picket Chains 244
Pickle Forks, "Adam" 544
" " "Ambassador" . 548
" " "Bird of Paradise" 535
" " "Grosvenor" ... 539
" "Marquis" 557
" " "Old Colony" ... 551
" " "WAVERLEY" . 555
Picture Frame Points 205
" Hangers 315
" Nails 316
" Wire 316
Pie Bakers, "Pyrex" 562
" Pans, Tin 366
" Plates, Aluminum 346
" " Enamelled (Grey) .352
" " " (White) 357
" " "Pyrex" 565
" " Tin 363
" Servers, "Adam" 543
" " "Ambassador" .. 548
" " "Bird of Paradise" 535
" " "Grosvenor" 539
" " "Marquis" 557
Pike Pole Handles 144
" Poles 144
Piling Hooks 144

PINCERS—
Blacksmiths' Shoe 145
Carpenters 145
Shoe 145

Pine Tar 239

PINS—
Clothes 337
Cotter 217, 453
Drapery 313
Escutcheon 205
Horse Blanket 238
Push 315
Rolling 340
Sash 203

PIPE—
Stove 377
Wrought Iron 166

Page
Pipe Collars, Stove 376
" Cutter Wheels 146
" Cutters 146
" Dies, Solid 153
" Fittings, Iron 166-168
" Register Plates 378
" Registers, Round 378
" Screw Eyes, Stove 44
" Straps 166A
" Taps 152
" Vises 157
" Wire, Stove 180
" Wrench Parts 146
" Wrenches 146, 147, 457

PITCHERS—
Water, Enamelled (Grey) 351
" " (White) 358

Pitchers Toe Plates, Baseball 423
Plain Bibbs 172
Plane Caps, Block 105
" Handles 105
" Irons 105

PLANES—
All kinds 102-105

PLANTERS—
Corn 284

Plastering Trowels 133

PLATES—
Butter, Cut Glass 568
" Engraved Glass ... 570
Dehorner 245
Dinner, Enamelled (Grey). 352
" " (White) 357
Heel 208
Horse Clipper (Hand) 245
Jelly Cake, Aluminum 346
" " Enamelled (Grey) 351
" " " (White) 357
" " Tin 363
Letter Box, "Sutherland" 3, 4, 20
Looking Glass 35
Mending 38
Mirror 35
Pie, Aluminum 346
" Enamelled (Grey) ... 352
" " (White) .. 357
" "Pyrex" 565
" Tin 363
Push, "Colonial" 5, 20
" "Sutherland" 3, 4, 20
" "Wellington" 7, 20
Register Face 378
Screw 153-155
Shanty, Tin 363
Shoe, Baseball 423
Solid Die 153
Soup, Enamelled (White) . 357
Stair 316
Toe, Baseball 423

PLATEAUX—
Cut Glass 568

Platform Scales 289

PLATTERS—
Fish, "Pyrex" 565
Meat 565

Play Balls, Rubber 439
Playground Balls 421

PLIERS—
Automobile Chain 143, 442
Combination 141, 458
Cutting 141-142
Electricians 142
Fence 142-143
Flat Nose 141
Linemen's 142
Long Chain Nose 141
Offset 141, 458
Side Cutting 142
Staple Puller 143
Telephone 142

Page
Plow Bolts ... 214
" Clevises ... 225
" Lines ... 239

Plug Hand Taps ... 152

PLUGS—
Auto Tail Light ... 447
Basin ... 173
Boiler Repair ... 168A
Electric Appliance ... 466
Fuse ... 465
Iron Pipe ... 168
Spark ... 452

Plumb Bobs ... 101
Plumbers Oakum ... 138
" Safety Chain ... 242

PLUMBS—
and Levels ... 121-123

PLUNGERS—
Saw Set ... 117

Pocket Knives, "Bokers" ... 483-494
" " "Crookes" .. 467-475
" " "German" .. 495-503
" " "Wostenholms" 476-482
" Meters ... 448
" Rules (Steel) ... 130
" Scissors ... 506
" Snips ... 159
" Tapes ... 131-132

Pointing Trowels ... 132

POINTS—
Drill ... 94-95
Drive Well ... 176
Glaziers ... 292
Picture Frame ... 205
Trammel ... 120

POKERS—
Stove ... 378

Pole Brackets, Curtain ... 314
" Handle, Pike ... 144
" Rings ... 314

POLES—
Fishing ... 428
Pike ... 144

POLISH—
Automobile ... 298, 299, 461
Furniture ... 299
" (Liquid Veneer) . 299
" (O'Cedar) ... 298
Metal ... 300, 461
Shoe ... 380
Silver ... 300
Stove ... 379

Polishing Mops (Liquid Veneer) 299
" " (O'Cedar) ... 298
" Wax ... 301,461

POOLS—
Cess ... 39

POPPERS—
Corn ... 342

Post Hole Augers ... 256
" " Diggers ... 256
" " Spades ... 257
" " Spoon Handles ... 259
" " Spoons ... 256
" Mauls ... 75
Postal Scales ... 289
Pot Jacks ... 426
Potato Drags, "SAMSON" ... 226
" " "WAVERLEY" . 274
" Forks, "SAMSON" ... 266
" " "WAVERLEY" .. 274
" Pots, Aluminum ... 344
" " Enamelled (Grey) 349
" " " (White) 356

Page
POTS—
Bean, "Pyrex" ... 564
Coffee, Enamelled (Grey) . 352
" " (White) 358
" Nickel Plated ... 360
Fire, Gasoline ... 161
Melting ... 161
Potato, Aluminum ... 344
" Enamelled (Grey) 349
" " (White) 356
Stove, Cast ... 375
" Enamelled (Grey) . 349
Tea, Aluminum ... 345
" Enamelled (Grey) .. 352
" " (White) 358
" Nickel Plated ... 360
Watering, Galvanized ... 372
" Japanned ... 370

Poultry Feeders ... 180
" Grit Boxes ... 180
" Jar Founts ... 180
" Leg Bands ... 178
" Netting ... 183
" " Staples ... 185

POUNDERS—
Meat ... 329

POWDER—
Gun ... 407
Lice ... 178
Shaving ... 514

Preserve Spoons, "Adam" ... 542
" " "Bird of Paradise" 534
" " "Grosvenor" .. 538
Preserving Kettles, Aluminum 344
" " Enamelled (Grey) 349
" Wax ... 329

PRESSES—
Fruit ... 328, 340
Lard ... 328
Tennis Racquet ... 425
Vegetable ... 340

Pressure Gauges, Auto Tire .. 444
Prick Punches ... 75, 160

PRIMERS—
Shell ... 407

Produce Baskets ... 373

PRONGS—
Cultivator Rake ... 278

PROTECTORS—
Auto Tire ... 442
" Tube ... 443
Body ... 422
Boot and Shoe ... 208

PRUNERS—
Tree ... 286

Pruning Saws ... 111
" " (SAMSON) .. 111
" Shears ... 286

PUCKS—
Hockey ... 414

Pudding Dishes, "Pyrex" ... 564
" Pans, Aluminum ... 346
" " Enamelled (Grey) 350
" " "
" " (White) ... 356, 357

PULLERS—
Nail ... 74

Pulley Sheaves, Hay Fork ... 285

PULLEYS—
Awning ... 47
Clothes Line ... 49
Dumb Waiter ... 49
Hay Fork ... 285
Hot House ... 48

Page
PULLEYS—
Sash ... 30
Screw ... 48
Side ... 48
Swivel ... 48
Tackle ... 47
Upright ... 48

Pulling Pliers, Staple ... 143

PULLS—
Box ... 33
Door ... 20
Drawer ... 33, 36
Escutcheon ... 36
Flush ... 37
Furniture ... 34, 36
Trap Door ... 36
Window Shade ... 312

Pump Connections, Bicycle ... 440
" Handles ... 175
" Leathers ... 176
" Rod Couplings ... 176
" Valves ... 176

PUMPS—
Auto Tire ... 445
Bicycle Tire ... 440
Cistern ... 175
Hand Force ... 175
Self Measuring ... 174
Spray ... 177
Tandem ... 175A
Well ... 175
Wing ... 175

PUNCHES—
Belt ... 140
Centre ... 75
Drift ... 74, 160
Hollow ... 159
Machinists, Drift ... 74, 160
Prick ... 75, 160
Saddlers ... 140
Solid ... 160
Ticket ... 140

Push Buttons, Electric Bell, "Colonial" 5, 21
" " " "Sutherland" 6, 21
" " " "Wellington" 6, 21
" Plates, "Colonial" ... 5, 20
" " "Sutherland" 3, 4, 20
" " "Wellington" ... 7, 20
" Pins ... 315
" Thumb Tacks ... 315

PUTTY— ... 292

Putty Knives ... 293, 516
Pyrex, Oven-Glass ... 563-565

Q

Quilt Frame Clamps ... 119

R

RACKS—
Canning ... 329
Wire Cloth ... 185A

Racquet Presses, Tennis ... 425

RACQUETS—
Tennis ... 424-425

Radiator Cans ... 372
" Caps, Auto ... 450
" Cement, Auto ... 459
Rafter Brackets ... 285
" Hooks ... 285
Rail Brackets, Hand ... 39
" Screws, Hand ... 39
Rake Handles ... 259
" " "SAMSON" ... 260

Page
RAKES—
Asphalt ... 278
Cultivator, "WAVERLEY" 278
Garden ... 278
" "SAMSON" ... 269
" "WAVERLEY" ... 277
Hay ... 283
Lawn ... 281
" "WAVERLEY" ... 277

RAMEKINS—
"Pyrex" ... 565

Range Kettles, Nickel Plated . 360

RASPS—
Cabinet ... 87
Horse ... 87
General Information ... 81
Shoemakers ... 87
Standard List ... 83
Wood ... 87

Rat Traps ... 342
Ratchet Wrenches ... 149, 455, 456

RATTLERS—
Anti ... 227

Razor Blades, Safety ... 511-513
" Hones ... 514
" Stroppers, Safety ... 513
" Strops ... 512-513

RAZORS—
Safety ... 510-513
Straight ... 509

Reaping Hooks ... 284
" " "SAMSON" ... 284
Reducing Couplings ... 167
" Elbows ... 166
" Tees ... 167

REELS—
Clothes Line ... 336
Fishing ... 429
Hose ... 188
Sewing Awl ... 99

REFLECTORS—
Oil Lamp ... 387

REFRIGERATORS— ... 387

REGISTERS—
Hand Tally ... 125
Round (Pipe) ... 378

REMOVER—
Carbon, Auto ... 459-460
Paint and Varnish ... 295, 460
Tar and Grease ... 296, 460

RENEWER—
Top and Seat, Auto .. 296, 460

Repair Gum, Auto Tire ... 444
" Links ... 240
" Plugs, Boiler ... 168A
" Sets, Cobblers ... 210

Repeating Shot Guns ... 394

REPELLANT—
Fly ... 436

REVOLVERS— ... 399

Revolving Belt Punches ... 140
Rice Boilers, Enamelled (Grey) 348
" " " (White) 355

RIDDLES—
Foundry ... 132

Rifle Cleaners ... 409
" Cleaning Brushes ... 409
" Covers ... 408
" Magazines ... 407
" Sights ... 408
" Supplemental Chambers 408

RIFLES—
All Kinds ... 396-399

P
Q
R

Page
Rim Dead Locks 11
" Knob Latches 11
" " Locks 11
" Latch Sets 10A
" Lock Sets, "Wellington". 7, 10
" Night Latches 12
Ring Hooks, Key 320

RINGERS—
Hog 230

RINGS—
and Clips, Centre 225
" Ferrules 226
Bull 230
Curtain 312
" Pole 314
Flush 37
" Trap Door 36
Fruit Jar 329
Harness 229
Hitching 229
Hog 230
Key 320
Landing Net 436
Snath 283

Rip Saws 107-108
Rivet Sets 160

RIVETS—
Belt (and Burrs) 217
Bifurcated 216
Brake Band, Auto 451A
Hame 216
Iron (Norway) 216
Section 216
Shoe 207
Slotted 216
Tinners 216
Tubular 217

Rivetting Hammer Handles, "SAMSON" 77
" Hammers 72
Roast Pans, Enamelled (Grey). 353
" " Steel 374
Roasters, Aluminum 346
" Enamelled (Grey) .. 353
" " (White) 358
" Steel 375

ROBES—
Auto 451
Carriage 238

Rod Couplings, Pump 176
" Hooks, Curtain 313

RODS—
Buck Saw 112
Curtain 313
Fishing 428
" "SAMSON" 428
Gun Cleaning 409
Rifle 409

Roller Brackets, Window Shade 312
" Breast Snaps 229
" Skate Parts 427
" Skates 427

ROLLERS—
Barn Door Stay 51
Lawn 192
Seam 292
Towel 317A
Window Shade 312

Rolling Pins 340

ROLLS—
Clothes Wringer 332
Graining 292

ROOFING—
"COMET" 223
"SAMSON" 221
"WAVERLEY" 222

Page
Roofing Caps 223
" Cement 223
" Felt 224
" Nails, (Wire) 203, 223

ROPE—
Fibre, (All Kinds) 220

Rope Halters 238
Rope Swivels 240
" Trace Clips 226
" Traces 238
Rose Bowls, Cut Glass 567
Round Iron Washers 215
Rubber Balls 439
" Cement 208, 440, 444
" Heels 208
" Mats, Auto 450
" Tubing 166
" Water Hose 188

RUBBERS—
Window 307

RUGS—
Automobile 238, 451
Carriage 238
Wool 238

Rule Tools, 3 Angle 125

RULES—
Aluminum (Zig-Zag) 129
Architects 128
Blindmans 128
Board 125
Boxwood 126-129
Brass 130
Caliper 128-129
Folding 126-130
Glaziers 130
Log 125
Pocket (Steel) 130
Steel 130
Zig-Zag 129

S

"S" Wrenches 147, 456
Sack Needles 324
Sad Iron Handles 329
" Irons, Electric 330
" " Gasoline 330
" " Mrs. Potts 330
Saddlers Punches 140

SAFES—
Match 370

Safety Chain, Plumbers 242
" Fuse 407
" Hasps 46
" Razor Blades 511-513
" Razors 510-513
Salad Bowls, Engraved Glass .. 570
" Forks, "Adam" 544
" " "Ambassador" .. 548
" " "Bird of Paradise" 536
" " "Grosvenor" 540
" " "Old Colony" 550-551
" Sets, "WAVERLEY" ... 555
Salt and Pepper Shakers
" " Aluminum ... 347
" " Engraved Glass 571

"SAMSON"—
Axes, Bench 68
" Chopping 64
Blades, Buck Saw 112
Farm and Garden Tools 261-269
Fishing Rods 428
Forks, Barley 264
" Barn 265
" Bean 265
" Beet 264
" Chaff 265
" Ensilage 266
" Hay 264

Page
SAMSON—
Forks, Manure 262-263
" Potato 266
" Spading 265
" Straw 264
Garden Rakes 269
Hammers, Nail 70
Hammocks 196-197
Handles, Bench Axe 77
" Farm Fork 260
" Hammer 77
" Hatchet 77
" Hoe 260
" Hunters Axe 77
" Rake 260
" Sledge 77
Hoes, Bean 267
" Beet 268
" Carrot 268
" Corn Cutting ... 269, 284
" Dutch 268
" Field 267
" Garden 267
" Ladies 267
" Mortar 269
" Turnip 268
" Weeding 268
Horse Blankets 237
Lawn Bowls 426
Manure Drags 266
Pails, Dairy, Tin 368
" Stock, Galvanized .. 371
" Strainer, Tin 368
" Water, Galvanized . 371
Potato Drags 266
Reaping Hooks 284
Roofing 221
Saws, Buck 112
" Hand 107
" Pruning 111
Scythes 282
Turf Edgers 268
Vegetable Scoops 266
Wash Boilers, Copper 360
" " Galvanized . 372
" " Tin 367
" Tubs 371
Weed Cutters 268
Wheelbarrows 287
Sand Paper 138
" Screen Cloth 184
" Shovels 254
" " Childrens 438
"Sani-Flush" 380A
Sanitary Closets 373
Sap Boilers 374
" Pails 374
" Spouts 374
Sash Cord 31
" " Irons 30
" Fasteners 31
" Lifts 32
" Locks 31
" Pins 203
" Pulleys 30
" Tools 303
" Weights 31
Sauce Pans, Aluminum 343
" " Enamelled (Grey) 348
" " " (White) 355
Sausage Stuffing Attachments. 327
Saucers, Enamelled (Grey) ... 352
" " (White).. 357

SAVERS—
Auto Tire 80, 446

Saw Blades, Bracket 110
" " Buck 112
" " " "SAMSON) 112
" " Butcher 110
" " Compass 109
" " Coping 110
" " Hack 111
" " Keyhole 109
" " Scroll 110

Page
Saw Frames, Buck 112
" " Hack 111
" Hammers, Cross Cut 116
" Handles, Compass 116
" " Cross Cut ... 115-116
" " Hand 116
" " Ice 116
" Jointers 118
" Rods, Buck 112
" Set Anvils 117
" " Parts 117
" Sets 116-117
" Swages 116
" Tools 118
" Vises 118

SAWS—
Back 109
Buck 112
" "SAMSON" 112
Butcher 110
Compass 109
Coping 110
Cross Cut 113-115
De-Horning 110
Hack 111
Hand 107, 108
Hand, "SAMSON" 107
" "WAVERLEY" 108
Ice 115
Kitchen 110
Nests of 109
Panel 107, 108
Pruning 111
Stair Builders 109
Webb, Swedish 115
Wood 112
Scale Scoops 289

SCALERS—
Fish 436

SCALES—
All Kinds 289
School Crayons 325
" Slates 325
Scissor Sharpeners 526

SCISSORS—
Button Hole 505
Embroidery 507
Folding 505
In Cases 508
Lace 507
Ladies 505
Lamp 507
Manicure 506-507
Nail 506
Pocket 506
Trimmers 504
Scoop Shovels 255
" Shovel Handles 258

SCOOPS—
Breakdown 255
Coal and Grain 255
Furnace 256
Grocery (Tin) 364
Ice Cream 198
Scale 289
Thumb, (Tin) 364
Vegetable, "SAMSON" ... 266
" "WAVERLEY" . 274

SCOOT—
Fly 178

SCOOTERS—
Childrens 438
Scotch Bowls, (Cast) 375
Scraper Blades, Cabinet.. 105, 106
" Planes 105

SCRAPERS—
Box 74
Cabinet 105, 106
Crumb and Tray, Aluminum 347
Drag 288

Page

SCRAPERS—
Foot 39
Hand 105
Hog 230
Sidewalk 383
Stable 235

Scraping Knives, Wall ... 293, 516
Scratch Awls 99
Screen Door Catches 28
" " Fixtures 28, 187
" " Hinges 28
" " Springs 29
" Doors 186-187
" Windows 187
" Wire Cloth 184-185

SCREENS—
Lamp, Gasoline 389

Screw and Strap Hinges 27
" Calk Wrenches 158
" Calks, Horse Shoe 158
" Clamps 119
" Cockeyes 226
" Driver Bits 91, 95
" " Chucks 95
" " Handles 99
" Drivers 96, 459
" " Automatic 95
" Eyes, Bright Wire .. 43, 44
" Hooks 41-44
" Jacks 75
" List, Wood 211
" Plates 153-155
" Pulleys 48
" Tops, Fruit Jar 329

SCREWS—
Bench 119
Coach 214
Cork 320
Door Knob 13
Hand Rail 39
Pressure 332
Roller Skate 427

Scroll Saw Blades 110
Scrub Brushes 305
Scythe Snaths 283
" Stones 136

SCYTHES—
Bush 282
Cradle 282
Grass 282
Lawn 282
"SAMSON" 282

Sea Line, Deep 220
Sealing Wax, Fruit Jar 329
Seam Rollers 292
Seat & Top Renewer, Auto 296, 460

SEATS—
Chair 311
Kiddie Kar 438
Lawn 195

Section Rivets 216
Seed Sowers 283
Seine Twine 323
Self-Measuring Pumps 174

SERVERS—
Jelly, "Adam" 543
" "Bird of Paradise" .. 534
" "Grosvenor" 538
Pie, "Adam" 543
" "Ambassador" 548
" "Bird of Paradise" ... 535
" "Grosvenor" 539
" "Marquis" 557
" "Old Colony" 552
Tomato, "Adam" 543
" "Ambassador" ... 547
" "Bird of Paradise" 535
" "Grosvenor" 539
" "Marquis" 557
" "Old Colony" 551

Page

Set Gauges, Saw 116
" Parts, Saw 117
Setting Hammers, Tinners 73
Service Sets, Thermos 561

SETS—
Awl and Tool 100
Cellar Window 23
Cooking, Childs, Aluminum 347
Croquet 426
Garden Tool 280
Loading 409
Nail 91
Rivet 160
Salad, "WAVERLEY" 555
Saw 116-117
Tea, Childs (Aluminum) .. 347
Water, Cut Glass 569
" Engraved Glass ... 571

Sewing Awl Hafts 99
" " Needles 99
" " Reels 99
" Awls 99
" Machine Motors, Electric465, 572

Shade Cord 30
" Holders 466
" Pulls, Window 312
" Roller Brackets, Window 312
" Rollers, Window 312

SHADES—
Lamp, Gasoline 389

Shaft Chimes 233
" Splicers 227

SHAKERS—
Salt & Pepper, Aluminum 347
" " Engraved Glass 571

Shanty Plates, (Tin) 363

SHARPENERS—
Knife 526
Scissor 526

Sharpening Slips 135
" Stones 134, 135

SHAVES—
Spoke 106

Shaving Brushes 515
" Cream 514
" Powder 514
" Soap 514

Shawl Straps 450
Shearing Machine Attachments 246
" " Parts 247
" Machines, Sheep 246

SHEARS—
Bankers 505
Barbers 505, 515
Garden 193
Grass 194
Hedge 193
Paperhangers 505
Pruning 286
Sheep 194, 246
Tailors 504

SHEATHING—
(Building Papers) 224

SHEAVES—
Hay Fork 285
Tackle Block 219

Shelf Brackets 38

SHELL—
Oyster 178

SHELLERS—
Corn 284

SHELLS—
Empty Shot Gun 407
Loaded " " 405-406

Page

SHELLS—
Sugar, "Adam" 543
" "Ambassador" 546
" "Bird of Paradise" .. 535
" "Grosvenor" 539
" "Marquis" 556
" "Nevada" 559
" "Niagara" 553
" "Old Colony" 550
" "WAVERLEY" 554

Sheep Shearing Attachments . 246
" " Machine Parts . 247
" " Machines 246
" Shears 194

Sheet Glue 138
" Iron, Galvanized 165
" Zinc 165

Sherbert Glasses, Engraved Glass 571

SHIELDS—
Expansion 214

Shingling Hatchets 69
Ship Adzes 68
" Augers 89
" Carpenters Bevels 125

Shock Absorbers, Auto 449

Shoe Brushes 306
" Calks, Horse 158
" Daubers 306
" Dressing 380
" Hammers 73
" Knives 520
" Lasts 209
" Nails, Horse 158
" Pincers, Blacksmith 145
" Plates, Baseball 423
" Polish 380
" Protectors 208
" Repairing Outfits 210
" Rivets 207
" Soles 209
" Tacks 207
" Thread 208
" Wax 208

SHOES—
Furniture 52A
Horse 158
Snow 415

Short Eye Augers 89

SHOT—
Common 407

Shot Cartridges 404
" Gun Shells, Empty 407
" " " Loaded .. 405-406
" Guns 394, 395
" " Repeating 394

Shovel Handles 258

SHOVELS—
Contractors 254
Furnace 256
General Purpose 383
Moulders 254
Round Point 253
Sand 254
" Childrens 438
Scoop 255
Snow 382-383
Square Point 252
Stove 376

Shutter Knobs 35
Side Cutting Pliers 142
" Pulleys 48
Sidewalk Scrapers 383

SIEVES—
Contractors Hand 132
Flour 363

Sifter Cloth 184

SIFTERS—
Ash 393
Flour 341, 363

Page

SIGHTS—
Gun 408
Level 123
Rifle 408

SIGNALS—
Stop, Auto 452

Silver Plated Flat Ware ... 531-559
" Polish 300

SINGERS—
Horse 245

Sink Bolts 214
" Strainers, Aluminum 347
" " Enamelled (Grey) 353
" " " (White) 359

SINKERS—
Fish Line 435

SINKS—
White Enamelled 359

Sisal Rope 220
Sizes of Wire 181
Skate Brackets, Ice 413
" Parts, Roller 427
" Size Table 413
" Straps 413-414

SKATES—
Ice 412-413
Roller 427

Skidding Tongs 144

SKIMMERS—
Enamelled (Grey) 354
" (White 358
Milk, Tin 364

Skinning Knives 519

SKINS—
Chamois 461

Slate Pencils 325

SLATES—
School 325

Slating Nails, (Wire) 203
Slaw Cutters 328
Sledge Handles, "SAMSON" .. 77

SLEDGES—
Blacksmiths 75

Sleigh Bells 231-233

SLEIGHS—
Bob 411
Childrens 410-411

SLICERS—
Beef 520
Ham 520
Vegetable 329

Sliding Door Latch Sets,
"Sutherland" 4, 10
" " "Wellington" 6, 10

Sliding T Bevels 124

SLIPS—
Oil 135
Sharpening 135
Water 135

Slotted Rivets 216
Smoothing Brushes, Paper-Hangers 305

SNAPS—
Bull 230
Breast Chain 228, 229
Harness (All Kinds) . 228, 229
Roller Breast 229
Swivel 229

Snare Wire 180
Snath Parts 283

SNATHS—
Scythe 283

SNIPS—
Pocket .....
Tinners .....

S

Page
Snow Shoes 415
" Shovels 382-383

SOAP—
Shaving 514

Soap Dishes, Enamelled (Grey) 353
" " " (White) 359
Soapstone Crayons 460
Socket Bushings 466
" Butt Chisels 97
" Firmer Chisels 97
" Framing Chisels 97
" Wrench Sets 149, 150, 454, 455

SOCKETS—
Auto Lamp 447
" Tail Light 447
Electric Light 466
Hexagon 150, 455
Window Spring Bolt 31

Sodding Spades 257
Soffit Brackets 29
Soft Copper Wire 180

SOLDER—
Bar 165
Wire 165

Soldering Copper Handles 160
" Coppers 160
" Paste 160
" Sets 160

SOLES—
Boot and Shoe 209

Solid Alcohol 384
" Bolt Dies 153
" Die Plates 153
" Pipe Dies 153
" Punches 160

Soot Destroyer 380
" Doors 39
Soup Bowls, Enamelled (Grey) 350
" " " (White) 356
" Ladles " (Grey) 354
" " " (White) 358
" " Tin 364
" Plates Enamelled (White) 357
" Spoons, "Adam" 542
" " "Ambassador" . 546
" " "Bird of Paradise" 534
" " "Grosvenor" ... 538
" " "Marquis" 556
" " "Niagara" 553
" " "WAVERLEY". 554
" Strainers, Tin 363

SOWERS—
Seed 283

Spade Handles 258

SPADES—
Beach 280
Childrens 280
Clay 257
Ditching 257
Draining 257
Garden 251
Ladies 280
Post Hole 257
Sodding 257

Spading Fork Ferrules 279
" " Handles, "SAMSON" 260
" Forks 278
" " "SAMSON" 265
" " "WAVERLEY" .. 273

Spark Plug Wrenches ... 148, 457
" Plugs 452

SPEARS—
Fish 436

Speed Indicators 132

Page
SPIDERS—
Aluminum 346
Cast 375
Enamelled (Grey) 354
Steel 375

SPILES—
Sap 374

SPINDLES—
Door Knob 13

SPLASHERS—
Anti 173

SPLICERS—
Shaft 227

Splicing Clamps 143
Spoke Shave Irons 106
" Shaves 106

SPONGES—
Auto 461

Spooled Hair Wire 180
Spoon Handles, Post Hole 259
" Trays, Cut Glass 568
" " Engraved Glass . 571

SPOONS—
Baby, "Adam" 542
" "Ambassador" 547
" "Bird of Paradise". 534
" "Grosvenor" 538
" "Marquis" 556
" "Niagara" 553
" "Old Colony" 550
" "WAVERLEY" 554
Basting, Enamelled (Grey) 354
" " (White) 359
" " Tin 364
Berry, "Adam" 542
" "Ambassador" 546
" "Bird of Paradise" .. 535
" "Grosvenor" 539
" "Marquis" 557
" "Niagara" 553
" "Old Colony" 550
" "WAVERLEY" 554
Coffee, "Adam" 542
" "Ambassador" 546
" "Bird of Paradise" . 534
" "Grosvenor" 538
" "Marquis" 556
" "Niagara" 553
" "Old Colony" 550
" "WAVERLEY" 554
Dessert, "Adam" 542
" "Ambassador" 546
" "Bird of Paradise" . 534
" "Grosvenor" 538
" "Marquis" 556
" "Nevada" 559
" "Niagara" 553
" "Old Colony" 550
" "Tipped" 559
" "WAVERLEY" 554
Jam, "Marquis" 556
Olive, "Adam" 542
" "Ambassador" 546
" "Bird of Paradise" . 534
" "Grosvenor" 538
Orange, "Adam" 542
" "Ambassador"..... 546
" "Bird of Paradise". 534
" "Grosvenor" 538
" "Marquis" 556
" "WAVERLEY" 554
Post Hole 256
Preserve, "Adam" 542
" "Bird of Paradise" 534
" "Grosvenor" 538
Soup, "Adam" 542
" "Ambassador" 546
" "Bird of Paradise" . 534
" "Grosvenor" 538
" "Marquis" 556
" "Niagara" 553

Page
SPOONS—
Soup, "WAVERLEY" 554
Sugar, "Adam" 543
" "Ambassador" 546
" "Bird of Paradise" . 535
" "Grosvenor" 539
" "Marquis" 556
" "Nevada" 559
" "Niagara" 553
" "Old Colony" 550
" "WAVERLEY" 554
Table, "Adam" 542
" "Ambassador" 546
" "Bird of Paradise". 534
" "Grosvenor" 538
" "Marquis" 556
" "Nevada" 559
" "Niagara" 553
" "Old Colony" 550
" "Tipped" 559
" "WAVERLEY" 554
Tea, "Adam" 542
" "Ambassador" 546
" "Bird of Paradise" . 534
" "Grosvenor" 538
" "Marquis" 556
" "Nevada" 559
" "Niagara" 553
" "Old Colony" 550
" "Tipped" 559
" "WAVERLEY" 554
Wooden 339

Spoons and Forks, Baby "Ambassador" 547
Sportsmens Axes 410
" Knives 410
" Scales 289

SPOUTS—
Sap 374

Spray Pumps 177
SPRAYERS— 177
Spreader Chains 229

SPREADERS—
Butter, "Adam" 544
" "Ambassador" 547
" "Bird of Paradise". 536
" "Grosvenor" 540
" "Marquis" 558
" "Niagara" 553
" "WAVERLEY" 554

Spring Belt Punches 140
" Bolt Sockets, Window. 31
" Bolts, Window 31
" Cotters 217, 453
" Door Bottoms 381
" Hinges, Floor 30
" " Screen Door .. 28
" Lifters, Auto Valve ... 459
" Skate Parts 413
" Skates, Ice 413
" Wire, Coil 181

SPRINGS—
Automatic Drill 94
Bird Cage 342
Door 29
Washing Machine 334

SPRINKLERS—
Clothes, Aluminum 347
Lawn 189

Square and Bit Levels 123
" Shouldered Screw Hooks 44
" Tapped Nuts 215

SQUARES—
Carpenters 124
Mitre 124
Try 123, 124

SQUEEZERS—
Lemon 325

Stable Brooms 235
" Scrapers 235

Page
STAIN—
Varnish 294

Stair Builders Saws 109
" Plates 316

STAKES—
Saw Set 117

Stall Fixture Chains 244
" Fixtures 244
Stand Lamps, Oil 387

STANDARD LISTS—
Carriage Bolt 213
Coach Screw 214
Cut Nail 199
File 83
Glass, Window 290
Machine Bolt 213
Plow Bolt 214
Rasp 83
Stove Bolt 214
Tack 204
Tire Bolt 214
Wire Nail 200-201
Wood Screw 211

STANDS—
Last (Cobblers) 209

Staple Pulling Pliers 143

STAPLES—
Bed 185
Blind 185
Canvas 185
Fence 182
Hame 226
Hasps and Hooks 46
Poultry Netting 185
Rim Lock 14A
Wrought 46

Staples and Hooks, Gate 46
" " " Wire 46
Star Drills 75
Stay Rollers, Barn Door 51

STEAMERS—
Cooking 366

STEEL—
Band 164

Steel Belt Lacing 218
" Bobs 411
" Rules 130
" Tackle Blocks 219
" Tapes 131
" Wool 297

STEELS—
Butchers 520
Table 526

STEEPERS—
Tea, Enamelled (Grey) .. 352
" " (White). 357
" Tin 365

Step Ladders 337
Sticking Knives 519

STICKS—
Hockey 416
Mop 338
Yard 130

Stillson Wrenches 146, 457
Stock Pails, Galvanized "SAMSON" 371
Stocks and Dies, Blacksmiths. 155

STOCKS—
Angular Bit 93
Whip 235

STONERS—
Cherry 328

STONES—
Axe 135
Grind 137

Page

STONES—
Oil 134-135
Scythe 136
Sharpening 134-135
Water 134-135
Stop and Waste Cocks 170
" Bead Adjusters 32
" Cocks 170
" Signals, Auto 452

STOPPERS—
Basin 173

STOPS—
Bench 119
Door 30
Flue 376

Store Door Handles 18-19
" " Lock Sets 17-18
Stove Boards 378
" Bolt Nuts 215
" Bolts 214
" Brushes 306
" Cement 379
" Daubers 306
" Lid Lifters 378
" Lining 379
" Mats 341
" Ovens, Oil 384
" Pipe 377
" " Collars 376
" " Dampers 377
" " Elbows 377
" " Screw Eyes 44
" " Thimbles 377
" " Varnish 379
" " Wire 180
" Pokers 378
" Polish 379
" Pots (Cast) 375
" " Enamelled (Grey) . 349
" Shovels 376
" Wick, Oil 384

STOVES—
Chick Brooder 179
Electric Toaster 572
Oil Cook 384

Straight Shank Drills 151
Strainer Pails, "SAMSON" ... 368

STRAINERS—
Jelly, (Tin) 363
Milk 368
Sink, Aluminum 347
" Enamelled (Grey) ... 353
" " (White) . 359
Soup, (Tin) 363
Water 173

Strap Hinges, Corrugated 27
" " Heavy 26
" " Light 26
" " Medium 26

STRAPS—
Bell 230
Hame 239
Pipe 166A
Shawl 450
Skate 413-414

Straw Forks, "SAMSON" 264
Strawberry Hullers 328
Street Brooms 235
" Elbows 166

STRETCHERS—
Curtain 337
Wire 182

STRIKES—
Lock 14

Striking Hammers 75

STRIP—
Weather 381

Stropping Machines, Razor .. 513

Page

STROPS—
Razor 512-513

Stuffing Attachments, Sausage. 327

Sugar and Butter Sets—
" " "Ambassador" . 548
" " "Marquis" 557
" " "Old Colony" .. 550
" " "WAVERLEY". 555

Sugar and Cream Sets
Cut Glass 567
" " Engraved Glass 571
" Shells, "Adam" 543
" " "Ambassador" . 546
" " "Bird of Paradise" 535
" " "Grosvenor" ... 539
" " "Marquis" 556
" " "Nevada" 559
" " "Niagara" 553
" " "Old Colony" ... 550
" " "WAVERLEY". 554
" Tongs, "Adam" 543
" " "Ambassador" .. 547
" " "Bird of Paradise" 535
" " "Grosvenor" ... 539

Suit Case Locks 63
Sun Visors, Auto 450A
Supplemental Chambers, Rifle. 408

SUPPORTS—
Ankle 414

SURCINGLES— 238

Surface Butts 25A
" Hinges 25
" Spring Floor Hinges .. 30

SWABS—
Gun 409
Mop (Liquid Veneer) 299

SWAGES—
Saw 116

SWATTERS—
Fly 341

Sweat Pads 239
Sweeper Brushes, Carpet 310
" Handles, Carpet 310
" Tires, Carpet 310

SWEEPERS—
Carpet 310
Vacuum 310

Swedish Webb Saws 115

SWINGS—
Barrel 288
Lawn 195

Swivel Hooks 240
" Pulleys 48
" Snaps 228

SWIVELS—
Fish Line 436
Log Chain 240
Rope 240

Syrup Cans 374

T

Table Forks, "Adam" 544
" " "Ambassador" .. 548
" " "Bird of Paradise" 536
" " "Grosvenor" 540
" " "Marquis" 558
" " "Nevada" 559
" " "Old Colony" ... 551
" " Round 559
" " Tipped 559
" " "WAVERLEY" 539
" Hinges 25
" Knives, "Adam" 545

Page

Table Knives, "Ambassador" . 549
" " "Bird of Paradise" 537
" " Celluloid Handle 523-524
" " "Grosvenor" 541
" " "Marquis" 558
" " "Niagara" 553
" " "Old Colony" ... 552
" " Plated Handle .. 524
" " Round 559
" " Silver Plated ... 522
" " "WAVERLEY" . 539
" " Wood Handle ... 522

Table Knives and Forks in Sets.
" " "Adam" 545
" " "Ambassador" .. 549
" " "Bird of Paradise" 537
" " "Grosvenor" 541
" " Iron Handle 521
" " "Marquis" 558
" " "Old Colony" ... 552
" " Silver Plated 521-522
" " "WAVERLEY".. 555
" " Wood Handle ... 521
" Spoons, "Adam" 542
" " "Ambassador" ... 546
" " "Bird of Paradise" 534
" " "Grosvenor" ... 538
" " "Marquis" 535
" " "Nevada" 559
" " "Niagara" 553
" " "Old Colony" ... 550
" " Tipped 559
" " "WAVERLEY" .. 538
" Steels 526

Tack Bumpers 312
" Claws 73
" Hammers 73
" List 204
Tackle Block Sheaves 219
" Blocks 219
" Pulleys 47

TACKS—
Carpet 206
Cut 205
Double Pointed 206
Gimp 206
Shoe 207
Thumb 315
Wire 206
Upholsters 207

Tail Door Springs 29A
" Light Plugs, Auto 447
" " Sockets, Auto 447
Tailors Shears 504
" Tapes 132
Tally Registers, Hand 125
Tamping Bars 75
Tanged Firmer Chisels 98
" " Gouges 98
Tank Floats 173
Tap Soles 209
" Wrenches 152

TAPE—
Insulation 440, 443
Tire 440, 443

Taper Hand Taps 152
" Taps, Blacksmiths 152

TAPES—
Linen 131
Measuring 131, 132
Pocket 131, 132
Steel 131
Tailors 132

Tapped Nuts, Square 215
" " Wing 215

TAPS—
Blacksmiths Taper 152
Calk, Hand 158A
Hand 152

Page

TAPS—
Pipe 152
Plug Hand 152
Taper Hand 152
Water 172

TAR—
Pine 239

Tar Remover 296
Tarklene 296, 460
Tarred Building Papers 224
" Marlin 220
" Roofing Felt 224
Tea Canisters 369
" Kettle Insets, Aluminum .. 344
" Kettles, Aluminum 344
" " Cast 375
" " Enamelled (Grey) 351
" " " (White) 358
" " Nickel Plated .. 360
" " Tin 363, 365
" Pots, Aluminum 345
" " Enamelled (Grey) ... 352
" " " (White) . 358
" " Nickel Plated 360
" Sets, Childs (Aluminum) . 347
" Spoons, "Adam" 542
" " "Ambassador" ... 546
" " "Bird of Paradise" 534
" " "Grosvenor" 538
" " "Marquis" 556
" " "Nevada" 559
" " "Niagara" 553
" " "Old Colony" 550
" " Tipped 559
" " "WAVERLEY" .. 554
" Steepers, Enamelled (Grey) 352
" " " (White) 357
" " Tin 365
Team Bells 231
" Whips 236
Tee Bevels, Sliding 124
" Hinges, Corrugated 27
" " Heavy 27
" " Light 27
" " Medium 27

TEES—
Iron Pipe 167

TEETH—
Cultivator Rake 278

Telephone Pliers 142
Tennis Ball Bags 425
" Balls 425
" Court Markers 426
" Nets 425
" Racquet Presses 425
" Racquets 424-425

TESTERS—
Battery 450

THERMOMETERS—
Temperature 318
Dairy 319
Incubator 180, 319

Thermos Bottle Corks 560
" " Fillers 560
" Bottles 560
" Carafes 560
" Carrying Cases 561
" Cup Handles 560
" Cups 561
" Jugs 560
" Lunch Kits 561-562
" Service Sets 561

THIMBLES—
Chimney 376
Floor 377
Stove Pipe 377
Wall 377

THREAD—
Shoe .....

T

Page
Three Angle Rule Tools 125
Thumb Latches 19
" Nuts 215
" Scoops 364
" Tacks 315
Ticket Punches 140
Tie-Out Chains 244

TIES—
Bale 181
Cow 244

Till Locks 61

TILLS—
Alarm 288

Timber Carriers 144

TINES—
Barn Fork 279
Chaff Fork 279
Ensilage Fork 279
Farm Fork 279
Hay Fork 279
Manure Fork 279

Tinned Hair Wire 180
Tinners Hammers, Setting ... 73
" Mallets, ... 101
" Rivets 216
" Snips 159
Tinware, Galvanized 371-373
" Japanned 369-370
" Nickel Plated 360
" Pieced 365-368
" Stamped 362-364

TIPS—
Gas Lighter 378

Tire Bolts 214
" Carriers, Auto 444
" Chain Pliers 143, 442
" Chains, Auto 442
" Clasps, Auto 442
" Covers, Auto 444
" Cross Chains, Auto 442
" Cut Healer, Auto 443
" Paint 460
" Pressure Gauges, Auto 444
" Protectors 442
" Pumps, Auto 445
" Savers, Auto 80, 446
" Tape 440, 443
" Tools, Auto 444
" Tubes, Automobile..... 441
" Valve Insides, Auto 444

TIRES—
Automobile 441
Carpet Sweeper 310

TOASTERS—
Electric 573

TOBOGGANS— 415

Toe Plates, Baseball 423
Toilet Clippers 515
" Hinges 25A
" Paper 317
" " Holders 317
Tomato Servers, "Adam" 557
" " "Ambassador" 545
" " "Bird of Paradise" 549
" " "Grosvenor".. 553
" " "Marquis".... 536
" " "Old Colony". 542

TONGS—
Curling 319
Ice 198
Skidding 144
Sugar, "Adam" 543
" "Ambassador" 547
" "Bird of Paradise" . 535
" "Grosvenor" 539

Page
Tool and Awl Sets 100
" Baskets 119
" Chest Locks 63
" Chests 119A
" Grinders 137
" Handles, Farm 259
" " " "SAMSON" 260
" Sets, Garden 280

TOOLS—
Farm and Garden,
"SAMSON" 261-269
" "WAVERLEY" 270-278
Fence 182
3 Angle Rule 125
Tire, Auto 444
Sash 303
Saw 118

Top and Seat Renewer, Auto 296, 460
" Lifts 209

TOPS—
Farm Fork, "D" 279
Fruit Jar, Screw 329

TORCHES—
Gasoline Blow 161

Towel Bars 317
" Rollers 317A
Tower Bolts 23
Toy Pails, Childrens 438
Trace Chain 243
" Clips, Rope 226

TRACES—
Rope 238

TRACK—
Barn Door Hanger 51
Parlor Door Hanger 50

Track Brackets, Barn Door ... 51

TRAILERS—
Kiddie Kar 438

Trammel Points 120
Transom Catches 32
" Lifts 32A
Trap Clamps, Game 250
" Door Rings, Flush 36

TRAPS—
Bear 249
Game 248, 249
Mouse 342
Rat 342

Tray Handles 33

TRAYS—
Crumb (and Scrapers)
Aluminum 347
Spoon, Cut Glass 568
" Engraved Glass .. 571

Tree Pruners 286

TREES—
Double 145
Whiffle 145

TRIMMERS—
Base 292
Bent 504
Lamp 507
Lawn 190
Straight 504

Trimo Wrenches 146, 457
Trolling Wire 430
Trouble Lamps, Auto 447
Trouser Guards 440
" Hangers 340
Trowel Handles, Brick 132

TROWELS—
Brick 132-133
Corner 133
Garden 281
Plastering 133
Pointing 132

Page
Truck Casters 52B
" Cross Chains 442

TRUCKS—
Bag 288
Warehouse 288

Trunk Lock Keys 16
" Locks 63
" Nails 205
Try Squares 123-124
Tube Cutters 171
" Protectors, Auto 443

TUBES—
Automobile Tire 441
Drive 140

TUBING—
Metal Gas 166
Rubber 166
Tubing Ends, Gas 166

TUBS—
Butter, Engraved Glass .. 570
Wash (Fibre) 337
" Galvanized 372
" "SAMSON" 371

Tubular Rivets 217

TUMBLERS—
Cut Glass 569
Engraved Glass 571

Turf Edgers 281
" " "SAMSON" 268
" " "WAVERLEY" .. 276
" Lifting Irons 281
Turks Head Pans, Tin 364

TURNBUCKLES— 49

TURNERS—
Cake 341
Turnip Hoes, "SAMSON" 268
" " "WAVERLEY" . 275

TURNS—
Cupboard 33

TWINE—
All Kinds 323
Twist Drills 151

U

UNDERCOATING—
White Enamel 295
Union Washers 173

UNIONS—
Iron Pipe 167
Upholsterers Tacks 207
Upright Pulleys 48

URNS—
Coffee, Electric 572
Utility Cockeyes 226
" Dishes, "Pyrex"..... 564

V

Vacuum Bottles 560-562
" Cleaners, Electric ... 310
" Sweepers 310
Valve Discs 170
" Grinders, Auto 459
" Grinding Compound 136, 459
" Insides, Auto Tire 444
" Leathers, (Pump) 176
" Spring Lifters, Auto 459

VALVES—
Angle 170
Check 169
Foot 176
Gate 169
Globe 169
Pump 176

Page
VARNISH—
Floor, Etc. 294-295
Stove Pipe 379

Varnish Brushes 302-303
" Remover 296, 460
" Stain 294

VASES—
Flower, Cut Glass 568
" Engraved Glass ... 571

Vegetable Presses 340
" Scoops, "SAMSON". 266
" " "WAVERLEY"274
" Slicers 329
Vestibule Door Lock Sets 2
Vinegar Bottles, Cut Glass ... 568
" " Engraved Glass 570
" Measures 288

VISES—
and Anvil 157
Bench 156
Carpenters 157
Combination 157
Machinists 156
Pipe 157
Saw 118

"Viscol" Waterproofing 210

VISORS—
Sun, Auto 450A

Volt Meters 448

VULCANIZERS—
Auto Tire 444

W

WADS—
Gun 407

Wagon Hardware 225-229
" Jacks 80
" Parts, Express 437

WAGONS—
Auto Wheel Coaster 437
Express 437

Waiter Pulleys, Dumb 49
Wall Brushes, Painters ... 302, 303
" Lamps, Oil 387
" Scraping Knives 293, 516
" Thimbles 377
Wardrobe Locks 62
Warehouse Brooms 307
" Trucks 288
Warming Pads, Electric 572
Wash Benches 335
" Boards 335
" Boilers, Copper 360
" " " "SAMSON" 360
" " Galvanized 372
" " "SAMSON" 372
" " Tin 367
" " " "SAMSON" 367
" Bowls, Enamelled (Grey) 351
" " " (White) 357
" Tubs, Fibre 337
" " Galvanized 372
" " "SAMSON" 371

WASHERS—
Axle 229
Bibb 173
Gauge Glass 171
Hose 188
Iron 215
Lock 215, 453
Union 173

Washing Machine Drainers ... 334
" " Springs 334
" Machines 333-334

WASTE—
Cotton 138
Waste Cocks 170

Page
WATCHES— 575
Water Bottles, Cut Glass 569
" Glass 340
" Hose, Rubber 188
" Pails, Aluminum 346
" " Enamelled (Grey) 349
" " " (White) 356
" " Galvanized .. 371-372
" " Tin 365
" Pipe 166
" Pitchers, Enamelled (Grey) 351
" " " (White) 358
" Sets, Cut Glass 569
" " Engraved Glass . 571
" Slips 135
" Stones 134, 135
" Strainers 173
" Taps 172
Watering Pots, Galvanized 372
" " Japanned 370
Waterproofing for Leather ... 210

WAVERLEY—
Axes, Chopping 65
Farm & Garden Tools. 270-278
Flat Ware 554-555
Forks, Barley 271
" Barn 271
" Beet 273
" Chaff 271
" Coke 274
" Hay 271
" Manure 272-273
" Potato 274
" Spading 273
Garden Tool Sets 280
Hammers, Nail 71
Handles, Farm Fork 259
" Hammer 77
" Hoe 259
" Rake 259
Hoes, Bean 275
" Beet 275
" Carrot 276
" Corn Cutter 278, 284
" Cultivator 276
" Dutch 276
" Field 275
" Garden 275
" Ladies 275
" Mortar 276
" Turnip 275
" Weeding 276
Horse Whips 236
Knives, Table 523
Manure Drags 274
Potato Hooks 274
Rakes, Cultivator 278
" Garden 277
" Lawn 277
Roofing 222
Saws, Hand 108
Silver Plate 554-555
Table Knives 523
Turf Edgers 276
Vegetable Scoops 274
Weed Cutters 276

Page
WAX—
Floor 301
Parafine 329
Polishing 301, 461
Preserving 329
Shoe 208
Wax Candles 387
Waxing Brushes, Floor 301
Weather Strip 381
Webb Saws, Swedish 115

WEDGES—
Axe 76
Saw 76
Snath 283
Wood Choppers 76
Weed Cutters, "SAMSON" ... 268
" " "WAVERLEY" . 276

WEEDERS— 281
Weeding Hoes, "SAMSON" .. 268
" " "WAVERLEY" 276
" Hooks 281

WEIGHTS—
Sash 31
Welding Compound 157
Well Points, Drive 176
" Pumps 175
" Wheels 285

WHEELBARROWS—
Boys 438
Contractors 287
Garden, "SAMSON" 287

WHEELS—
Casing 292
Express Wagon 437
Grindstone 137
Kiddie Kar 438
Pipe Cutter 146
Roller Skate 427
Tackle Block 219
Well 285
Wheelbarrow 287
Whiffletree Cockeyes 226
" Hooks 226

WHIFFLETREES— 145
Whip Lashes 235
" Stocks 235

WHIPS—
Binder 235
Express 236
Horse 236
Team 236
WAVERLEY (Horse) 236

WHISTLES—
Hunters 409
White Enamel 295
" " Undercoating .. 295
" Lead 292
Whitewash Brushes 304

WICK—
Candle 384
Lamp 385

Page
WICK—
Lantern 385
Oil Stove 384
Wick Packing, Asbestos 220A
Window Adjusters, Casement . 32
" Bolt Sets, Cellar 23
" Bolts, Cellar 23
" Catches, French..... 31
" Cleaners 307
" Fasteners, Casement . 32
" Glass 291
" " List 290
" Shade Pulls 312
" " Roller Brackets 312
" " Rollers 312
" Spring Bolt Sockets .. 31
" " Bolts 31

WINDOWS—
Screen 187
Windshield Cleaners 450
Wing Dividers 120
" Nuts 215
" Pumps 175

WIRE—
Barbed 181
Black Hair 180
Clothes Line 336
Coil Spring 181
Copper Aerial 180
Door Bell, Electric 21
Electricians 21
Fence 181
Galvanized 181
Hay Baling 181
O. & A. 181
Picture 316
Sizes of 181
Soft Copper 180
Snare 180
Stove Pipe 180
Tinned Hair 180
Trolling 430
Wire Belt Lacing 218
" Chain, Steel 242
" Clamps 143, 182
" Cloth, (All Kinds) ..184-185
" " Racks 185A
" Gauges 132
" Hooks and Staples 46
" Nail List 200-201
" Nails 202-203
" Screw Eyes, Bright .. 43-44
" " Hooks, Bright 42
" Splicing Clamps 143
" Solder 165
" Stretchers 182
Wood Choppers Mauls 76
" " Wedges 76
" Faucets 174
" Funnels 288
" Hay Rakes 283
" Paste Filler 297
" Saws 112
" Screws 211-212
" Tackle Blocks 219

Page
Wooden Spoons 339

WOOL—
Steel 297
Wool Cards 227
" Rugs 238, 451

WORKERS—
Butter 339
Wrapping Paper 321-322
" Twine 323
Wrecking Bars, Carpenters ... 75
Wrench Parts (Pipe) 146
" Sets, Socket 149, 150, 454, 455

WRENCHES—
Adjustable 147, 148, 456
Agricultural 147
Automobile .. 147, 150, 454, 457
Bicycle 150
Buggy 146, 229
Calk, Horse Shoe 158
Carriage 146, 229
Connecting Rod 149, 455
Cylinder Head 149, 455
Engineers 148, 457
Hub Cap 149, 455
In Sets 148, 457
Machinists 147, 148
Nut 147-150, 456-457
Pipe 146-147, 457
Ratchet 149, 455-456
"S" 147, 456
Spark Plug 148, 457
Stillson 146, 457
Tap 152
Trimo 146, 457
Wringer Handles, Clothes 332
" Rolls, Clothes 352
" Screws, Clothes 332

WRINGERS—
Bench 332
Clothes 331-332
Mop 338
Wrought Brass Butts 26
" Iron Pipe 166
" " Washers 215
" Staples 46

Y

Yard Sticks 130

YARN—
Lath 220

YOKES—
Neck 145

Z

ZENOLEUM—
(Disinfectant) 178
Zig-Zag Rules 129

ZINC—
Sheet 165

U
V
W
Y
Z

USEFUL INFORMATION

MEASURES OF WEIGHT

AVOIRDUPOIS.

16 drachms=1 ounce.
16 ounces= 1 pound= 256 drachms.
112 pounds= 1 cwt.= 28,672 drachms— 1,702 ounces.
20 cwt.= 1 ton= 573,440 drachms=35,840 ounces=2,240 pounds.
1 pound=14 ounces, 11 pennyweights, 16 grains Troy, or 7,000 grains.
1 ounce=18 pennyweights, 5½ grains Troy, or 437½ grains.

TROY.

24 grains= 1 pennyweight.
20 pennyweights=1 ounce= 480 grains.
12 ounces= 1 pound=5,760 grains=240 pennyweights.
1 Troy pound=.822857 pounds Avoirdupois.
1 Avoirdupois pound=1.215278 Troy pound.
175 Troy ounces=192 ounces Avoirdupois.

APOTHECARIES'.

20 grains= 1 scruple.
3 scruples=1 drachm= 60 grains.
8 drachms=1 ounce= 480 grains= 24 scruples.
12 ounces=1 pound= 5,760 grains=288 scruples=96 drachms.
The pound, ounce and grain are the same as in Troy weight.

MEASURES OF SURFACE

144 square inches=1 square foot.
9 square feet= 1 square yard=1,296 square inches.
100 square feet= 1 square (architect's measure).

LAND MEASURE

30¼ square yards= 1 square rod.
40 square rods= 1 square rood=1,210 square yards.
4 square rods } =1 acre =4,840 square yards.
10 square chains } =160 square rods.
640 acres= 1 square mile=3,097,600 square yards=102,400 square rods=2,560 square roods.

MEASURES OF LENGTH

12 inches= 1 foot.
3 feet= 1 yard= 36 inches.
5½ yards= 1 rod= 198 inches= 16½ ft.
40 rods= 1 furlong= 7,920 inches= 660 ft.= 220 yards.
8 furlongs=1 mile= 63,360 inches=5,280 ft.=1,760 yds.=320 rods.

GUNTER'S CHAIN MEASURE

7.92 inches=1 link.
100 links= 1 chain=4 rods=66 feet.
80 chains= 1 mile.

ROPES AND CABLES

6 feet=1 fathom. 120 fathoms=1 cable's length.

MEASURES OF VOLUME

1 gallon liquid measure=231 cubic inches, contains 8.339 avoirdupois. lbs. of distilled water at 39.8 degrees Fahrenheit.
1 gallon dry measure=268.8 cubic inches.
1 bushel (Winchester) contains 2,150.42 cubic inches or 77.627 lbs. distilled water at 39.8 degrees Fahrenheit.
A heaped bushel contains 2,747.715 cubic inches.

DRY MEASURE

2 pints= 1 quart= 67.2 cub. in.
4 quarts= 1 gallon= 8 pints= 268.8 cub. in.
2 gallons=1 peck= 16 pints= 8 quarts=537.6 cub. in.
4 pecks= 1 bushel= 64 pints=32 quarts=8 gals.=2,150.42 cubic ins.
1 chaldron=36 heaped bushels=57.244 cubic feet.
1 cord of wood=128 cubic feet.

LIQUID MEASURE

4 gills= 1 pint.
2 pints= 1 quart= 8 gills.
4 quarts=1 gallon=32 gills=8 pints.
The Imperial gallon=227.274 cubic inches, and contains 10 lbs. of distilled water at 62 degrees Fahrenheit=1.2003 Standard gallon.

FLUID MEASURE

60 minims=1 drachm=57 grains Troy at 39.8 degrees Fahrenheit.
8 drachms=1 ounce=480 minims=.9501 ounce Troy at 39.8 degrees Fahrenheit.
16 ounces=1 pint=7680 minims=128 drachms.
8 pints=1 gallon=61,440 minims=1,024 drachms=18 ounces.

METRICAL AND ENGLISH MEASURES

1 metre=39.37 inches.
1 kilogram=2.20473 pounds.
1 litre=1 cubic decimetre { .908 quart dry measure. / 1.0566 quarts liquid measure.
1 kilogram per square millimetre=1,422 pounds per square inch.
2,000 pounds per square inch=1.406 kilograms per square millimetre.
1 degree Fahrenheit=1.8 degree centigrade.

THE METRIC SYSTEM

Comparative Table of Metric and English Measures.

Denomination	Metres	Inches	Feet	Yards	Miles
Millimetre ...	.001	.0394	.....	.....	.....
Centimetre ...	.01	.3937	.....	.....	.....
Decimetre ...	.1	3.937	.328083	.....	.....
Metre	1.	39.37	3.28083	1.09361	.....
Deckametre ..	10.	393.7	32.80833	10.93611	.....
Hectometre ..	100.	.....	328.08333	109.36111	.....
Kilometre ...	1000.	.....	3280.83333	1093.61111	.62137
Myriametre ..	10000.	.....	.....	.....	6.2137

RULES RELATIVE TO THE CIRCLE, ETC.

To Find Circumference—
Multiply diameter by 3.1416.
Or divide diameter by 0.3183.

To Find Diameter—
Multiply circumference by 0.3183.
Or divide circumference by 3.1416.

To Find Radius—
Multiply circumference by 0.15915.
Or divide circumference by 6.28318.

To Find Side of an Inscribed Square—
Multiply diameter by 0.7071.
Or multiply circumference by 0.2251.
Or divide circumference by 4.4428.

To Find Side of an Equal Square—
Multiply diameter by 0.8862.
Or divide diameter by 1.1284.
Or multiply circumference by 0.2821.
Or divide circumference by 3.545.

SQUARE—
A side multiplied by 1.4142 equals diameter of its circumscribing circle.
A side multiplied by 4.443 equals circumference of its circumscribing circle.
A side multiplied by 1.128 equals diameter of an equal circle.
A side multiplied by 3.547 equals circumference of an equal circle.
Square inches multiplied by 1.273 equal circle inches of an equal circle.

To Find the Area of a Circle—
Multiply circumference by one-quarter of the diameter.
Or multiply the square of diameter by 0.7854.
Or multiply the square of circumference by .07958.
Or multiply the square of ½ diameter by 3.1416.

To Find the Surface of a Sphere or Globe—
Multiply the diameter by the circumference.
Or multiply the square of diameter by 3.1416.
Or multiply four times the square of radius by 3.1416.

To Find the Weight of Brass and Copper Sheets, Rods and Bars—
Ascertain the number of cubic inches in piece and multiply same by weight per cubic inch:—Brass, 0.2972. Copper, 0.3212.
Or multiply the length by the breadth (in feet) and product by weight in pounds per square foot.

HAND OF DOORS

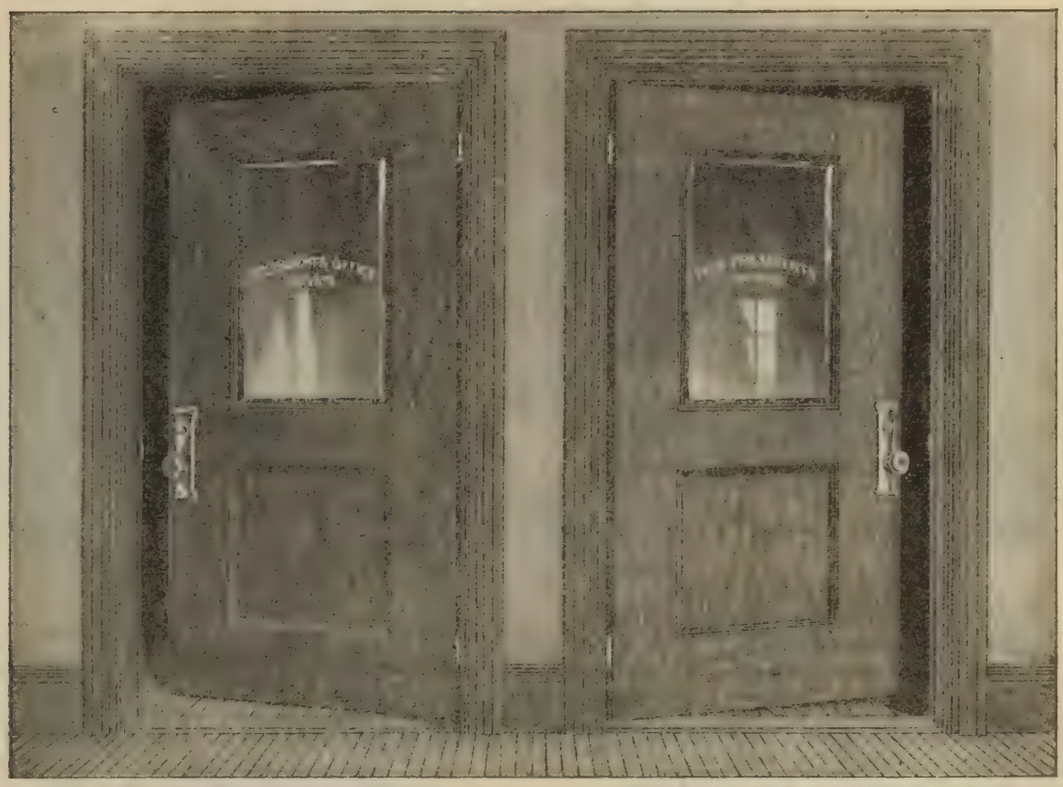


Fig. 1) RIGHT-HAND DOOR LEFT-HAND DOOR Fig. 2)

RIGHT-HAND REVERSE DOOR LEFT-HAND REVERSE DOOR

The hand of a door is always determined from the outside. By the outside is meant the street side of an entrance door or the corridor side of a room door. If standing on the outside of a door, the butts are on the right, it is a right hand door; if on the left, a left hand door.

If standing on the outside, the door opens from you, it takes a lock with regular bevel bolt. If door opens out, the lock is required with a reverse bevel bolt and if door is hinged on the right and opens out it would be right hand reverse bevel; if hinged on the left and opens out it would be left hand reverse bevel.

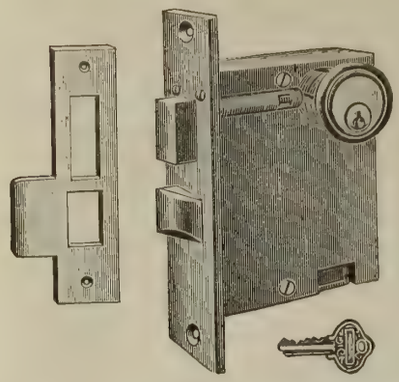
"THREE BUTTS TO A DOOR"

The "third butt" will hold the edges of the door in alignment and prevent warping, thus helping the latch bolt of the lock to properly engage with the strike and also eliminates binding at the top and bottom of the door.

Metal doors, either solid or hollow, require "three butts" to more evenly distribute the weight of the door.

SUTHERLAND DESIGN

Wrought Brass—Bright Finish



SECTIONAL CYLINDER FRONT DOOR SETS

List per set

No. B.B. 279. Square Plates. 42.00

List per set

No. B. B.281. Round Plates. 41.50

Sectional door handle for outside; knob and escutcheons for inside.

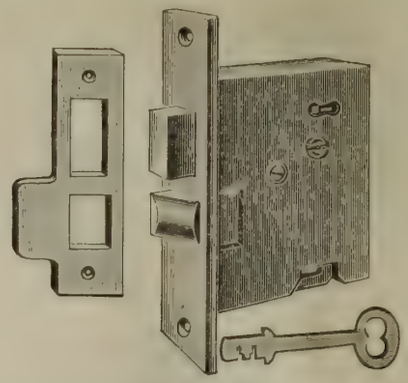
Specifications:

Grip: Size, 9½ x 2⅝ inches.

Knob: One-piece; 2¼ inches; 2⅜-inch rose; 5-16-inch spindle.

Lock: Japanned iron case, 5⅝ x 3⅝ x ⅝ inches; cast brass front, 7⅝ x 1¼-in.; cast brass bolts and strike; easy spring; backset 2¾ inches; spacing 3⅝ ins.; 5/16-inch brass hub; three keys; changes unlimited; reversible for right or left hand doors.

One set in a box, complete.



BIT-KEY SECTIONAL FRONT DOOR SETS

No. B.B.276. List per set 15.30

Sectional door handle for outside, knob, turn piece and escutcheon for inside.

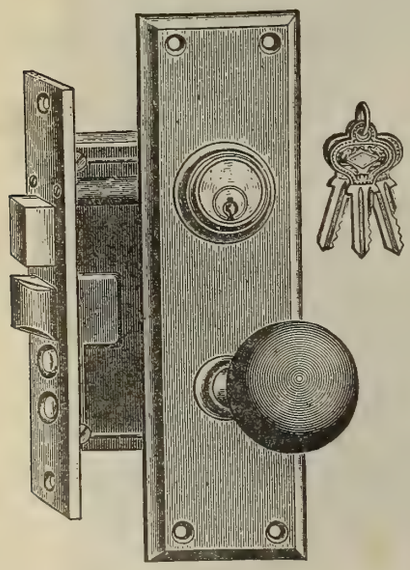
Specifications:

Grip and Roses: Size, 7 x 1 inches; square plates, upper 1⅞ x 2⅜ inches; lower 1⅛ inches square; key plate 1½ inches square.

Knob: One-piece, 2¼ inches; rose, 2½ inches diameter; 5-16-inch spindle.

Lock: Japanned iron case, 3¼ x 5⅛ x 11-16 inches; cast brass front, 7¼ x 1-in.; cast brass bolts and strike; easy spring latch bolt; reversible; backset 2¾ ins.; 5/16-inch brass hub; 2 nickel plated steel keys.

One set in a box, complete.

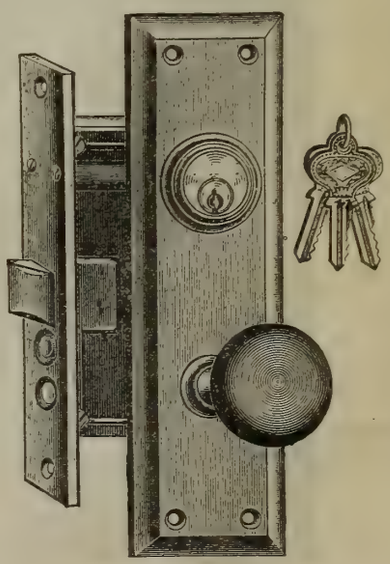


CYLINDER FRONT DOOR LOCK SETS

No. B.B.278. List per set 28.00

Composed of one cylinder front door lock; cast brass front 7⅝ x 1 inch; japanned iron case 5⅝ x 3⅝ x ⅝ inch; brass strike and bolts; reversible; easy spring latch bolt; 2¾-in. backset; 3⅝ inch spacing; brass spindle hub 5/16-inch; one pair brass knobs; one-piece 2¼ inches diameter; 5/16-inch spindle; outside escutcheon 10 x 2¾ inches; inside escutcheon 7 x 2¼ inches with "T" turn knob; 3 silvered keys.

One set in a box, complete.



CYLINDER VESTIBULE DOOR LOCK SETS

No. BB.277. List per set 24.00

Lock: Japanned iron case 5⅝ x 3⅝ x ⅝ inch; cast brass front 7⅝ x 1 inch; cast bolt; 1 cylinder; reversible; easy spring latch bolt; backset 2¾ inches; spacing 3⅝ inches; brass hub for 5-16-inch spindle; 3 silvered keys.

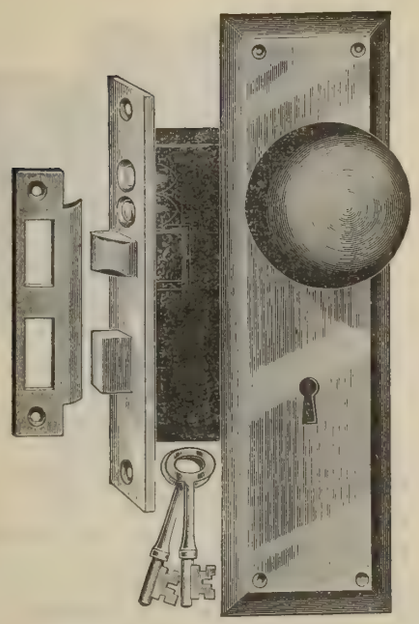
Knobs: One piece; 2¼ inches in diameter.

Escutcheons: Outside 10¼ x 2⅝ inches; inside 7 x 2⅜-in.

One set in a box, complete.

SUTHERLAND DESIGN

Wrought Brass—Bright Finish



FRONT DOOR LOCK SETS

No. BB.275. List per dozen 100.00

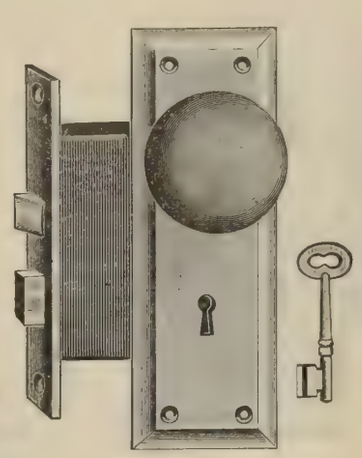
Lock: Japanned iron case 4½ x 3½ x ⅝ inches; cast brass front 6⅝ x 1 inches; brass strike and bolts; reversible; easy spring latch bolt; 2⅝ inch backset; spacing 1⅝ and 3 inches; spindle hub $\frac{5}{16}$-inch.

Knob: Two-piece, 2¼ inches diameter; roses, 2⅛ inches diameter; $\frac{5}{16}$-inch swivel spindle.

Escutcheons: Brass outside, 10¼ x 2⅝ inches; plated inside, 7 x 2⅜ inches.

Keys: Two; solid steel; nickel plated.

One set in a box, complete.



INSIDE DOOR LOCK SETS

No. BB.175. List per dozen 72.00

Lock: Japanned iron case, 3¾ x 3¾ x $\frac{9}{16}$ inches; wrought brass front 5½ x ⅞ inches; brass strike and bolts; reversible; easy spring latch; 2½ inch backset; $2\frac{3}{16}$-inch spacing; iron spindle hub $\frac{5}{16}$ inch.

Knob: One-piece; 2½-inch diameter; rose, 2⅛-inch; wrought brass; $\frac{5}{16}$ inch spindle.

Escutcheons: Outside, 7 x 2⅜ inches; inside, 7 x 2⅜ ins.

Keys: One; nickel plated steel.

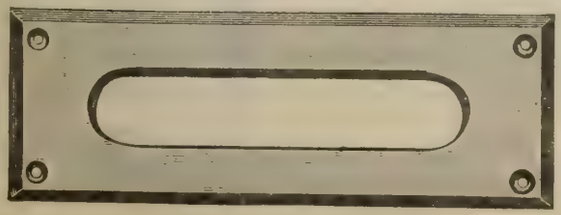
One set in a box, complete.

LETTER BOX PLATES

No. BB.575. List per dozen 26.40

Opening 4⅝ x 1½ inches; full size; 7 x 2¼ inches.

Half dozen in a box, with screws.



LETTER BOX BORDERS

No. BB.575½. List per dozen 9.80

Inside plate; opening 4⅝ x 1½ inches; full size 7 x 2¼ inches.

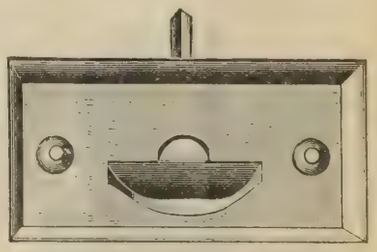
Half dozen in a box, with screws.

PUSH PLATES

No. BB.475. List per dozen 22.00

Bright brass; bevelled edge; size 10¼ x 2⅝ inches.

One dozen in a box, with screws.



DOOR BELLS

Complete with Bell.

No. BB.675. List per dozen 17.00

Rotary Stroke with Turn Plate

Turn: 3¼ x 1¾ inch escutcheon.
Bell: 3-inch diameter; cast Bell Metal Gong; cast iron case; nickel plated.

One in a box, complete.

ELECTRIC PUSH BUTTONS

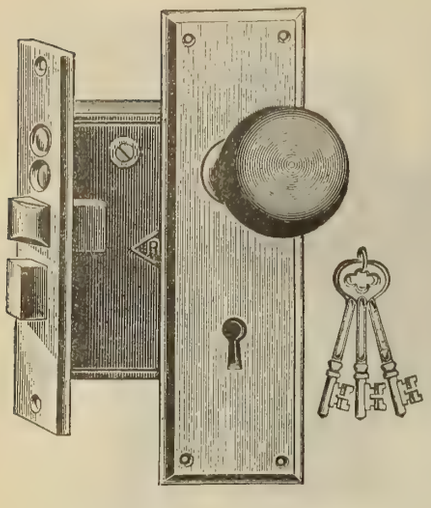
No. BB.775. List per dozen 36.00

Without Bell.

Size 3¼ x 1¾ inches; half dozen in a box, with screws. For Electric Bells. See page 21.

SUTHERLAND DESIGN

Wrought Steel—Plated



FRONT DOOR LOCK SETS

No.	Finish	List per doz. sets
OC.200.	Old Copper	82.00
DB.200.	Dull Brass	82.00
BB.200.	Bright Brass	82.00

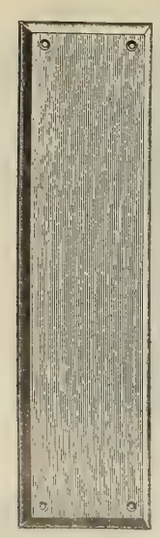
Lock: Japanned iron case, 4¾ x 3¾ x $\frac{11}{16}$ inches; cast iron plated front, 7 x 1 inches; iron bolts; steel strike; reversible; easy spring latch bolt; backset, 2$\frac{11}{16}$ inches; spacing, 3$\frac{3}{16}$ inches; iron hub for $\frac{5}{16}$ inch swivel spindle.

Knob: One-piece style; 2¼ inches diameter; $\frac{5}{16}$-inch swivel spindle.

Escutcheons: 10 x 2¾ inches.

Two nickel plated steel keys.

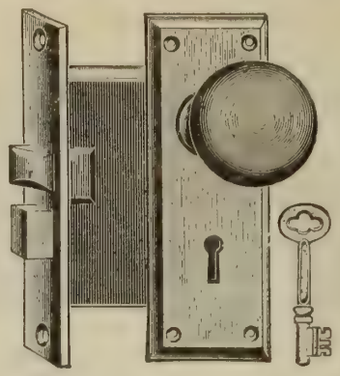
One set in a box, complete.



PUSH PLATES

No.	Finish	List per doz.
OC.400.	Old Copper	10.00
DB.400.	Dull Brass	10.00
BB.400.	Bright Brass	10.00

Size: 10 x 3 inches; $\frac{5}{16}$ inch bevel; four screw holes; half dozen in a box, with screws.



INSIDE DOOR LOCK SETS

No.	Finish	List per doz. sets
OC.100.	Old Copper	32.40
DB.100.	Dull Brass	32.40
BB.100.	Bright Brass	32.40

Lock: Japanned iron case, 3⅝ x 3⅛ x $\frac{9}{16}$ inches; plated steel front 5¼ x 1 inches; iron bolts; steel strike; reversible; flat steel spring; backset 2⅜ ins.; spacing 2⅛ inches, iron hub for $\frac{5}{16}$-inch spindle.

Knob: One-piece style; diameter, 2¼ inches; $\frac{5}{16}$-inch spindle.

Escutcheons: 6¾ x 2¼ inches.

One nickel plated steel key.

One set in a box, complete.

LETTER BOX PLATES

No.	Finish	List per doz.
OC.500.	Old Copper	12.80
DB.500.	Dull Brass	12.80
BB.500.	Bright Brass	12.80

Steel border plate, 6¾ x 2⅝ inches; cast opening plate, 4½ x 1⅛ inches; brass coil spring. Half dozen in a box with screws to match.

LETTER BOX BORDERS

No.	Finish	List per doz.
OC.500½.	Old Copper	7.80
DB.500½.	Dull Brass	7.80
BB.500½.	Bright Brass	7.80

Size: 7 x 2⅝ inches; opening 4¾ x 1¼ inches; four screw holes; 1 dozen in a box with screws to match.

SLIDING DOOR LATCH SETS

No. OC.311. Old Copper Finish.
List per set 4.80

Flat Front; Single.

Lock: Japanned iron case, 3¼ x 2⅞ x ⅝ inches; plated steel front 5¼ x 1 in.; cast brass bolts; backset, 1¾ inches.

Escutcheons: Two, 3½ x 1¾ inches.

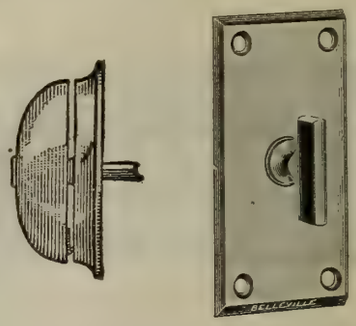
No. OC.322. Old Copper Finish.
List per set 5.80

Astragal Front; Double.

Lock: Japanned iron case, 3⅜ x 3⅜ x ⅝ ins.; cast iron plated front 5⅜ x 1¼ ins.; cast brass bolts; backset, 2$\frac{1}{16}$ inches.

Escutcheons: Four; 3½ x 1¾ inches.

One set in a box, complete.



DOOR BELLS

No.	Finish	List per doz. sets
OC.600.	Old Copper	16.80
DB.600.	Dull Brass	16.80
BB.600.	Bright Brass	16.80

Rotary Stroke with Turn Plate.

Turn: 1⅛ inch "T"; plate 3½ x 1¾ ins.; 2⅜-inch square rod.

Bell: Wrought steel, nickel plated; 3 inches in diameter.

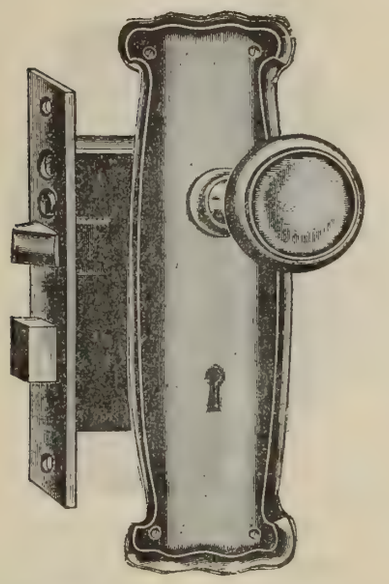
One set in a box, complete.

SOLID BRASS ELECTRIC PUSH BUTTONS
See Page 3.

FOR ELECTRIC BELLS
See Page 21

COLONIAL DESIGN

Wrought Steel—Bright Brass Finish



FRONT DOOR LOCK SETS

No. BB.285. List per dozen sets 90.00

One key operation.

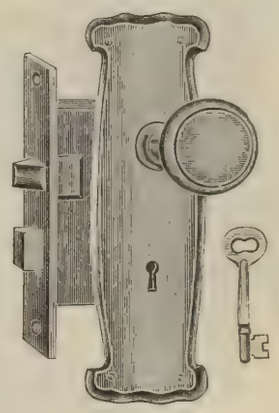
Lock: Japanned iron case, 4⅝ x 3⅝ x ⅝ inches; cast iron front 6¾ x 1 inch; cast iron plated bolts; steel strike; backset 2 13/16 inches; spacing 2⅝ inches; iron hub for 5/16 inch spindle.

Knob: Two-piece, 2¼ inches diameter; 2½ inch rose; 5/16 inch swivel spindle.

Escutcheons: Outside, 10 x 2¾ inches; inside 7 x 2½ ins.

Two nickel plated steel keys.

One set in a box complete.



INSIDE DOOR LOCK SETS

No. BB.185. List per dozen sets 32.00

Lock: Japanned iron case 2¾ x 3¼ x 9/16 inches; steel front 5½ x ⅞ inches; iron bolts; steel strike; reversible; backset 2½ inches; spacing 2 3/16 inches; iron hub for 5/16 inch spindle.

Knob: Two-piece; 2¼ inches diameter; 2½ inch rose; 5/16 inch spindle.

Escutcheons: 7 x 2½ inches; one nickel plated steel key.

One set in a box complete.

PUSH PLATES

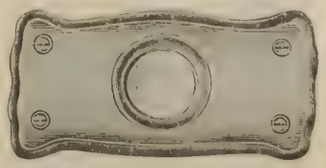
No. BB.485. List per dozen .. 18.00

Size—10 x 2¾ inches. One dozen in a box, with screws.

LETTER BOX PLATES

No. BB.585. List per dozen 20.00

Size over all, 7 x 2½ inches; opening 4⅝ x 1½ inches; half dozen in a box, with screws.



ELECTRIC PUSH BUTTONS

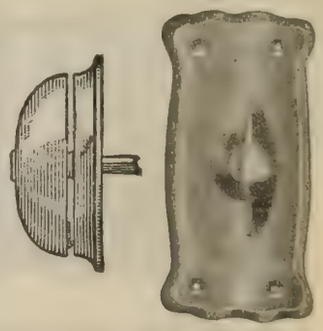
No. BB.785. List per dozen 36.00

Without Bell.

Wrought Brass; Bright Finish.

Size 3 x 1⅞ inches; half dozen in a box, with screws.

Electric Bells. See Page 21.



DOOR BELLS

No. BB.685. List per dozen .. 15.50

Rotary Stroke with Turn Plate

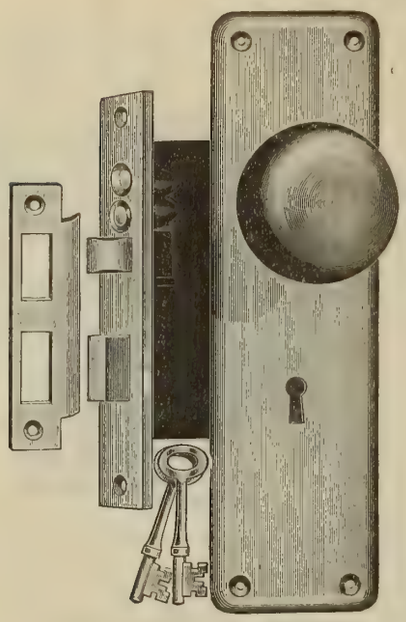
Turn: Wrought steel with 1⅞ inch square rod; escutcheon 1⅞ x 3 inches.

Bell: Wrought steel nickel plated, 3 inches in diameter.

One set in a box, with screws.

WELLINGTON DESIGN

Wrought Steel—Plated



FRONT DOOR LOCK SETS

No.	Finish	List per doz. sets
OC.250.	Old Copper	74.00
DB.250.	Dull Brass	74.00
BB.250.	Bright Brass	74.00

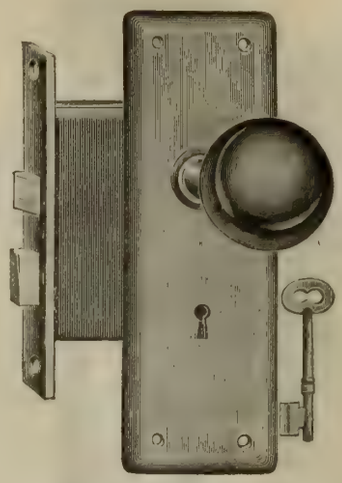
One key operation; one piece Knobs.

Lock: Japanned iron case 4¾ x 3¾ x $\frac{11}{16}$ inches; cast iron plated front 7 x 1 inches; iron bolts; steel strike; reversible; easy spring latch bolt; backset 2$\frac{11}{16}$ inches; spacing 3$\frac{3}{16}$ inches; iron spindle hub.

Knob: One-piece style; 2¼ inches diameter; $\frac{5}{16}$ inches; swivel spindle.

Escutcheons: 10 x 2¾ inches.

Two nickel plated steel keys.
One set in a box, complete.



INSIDE DOOR LOCK SETS

No.	Finish	List per doz. sets
OC.150.	Old Copper	24.00
DB.150.	Dull Brass	24.00
BB.150.	Bright Brass	24.00

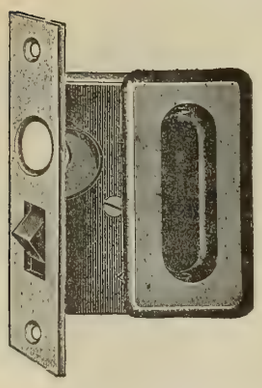
One-piece Knobs.

Lock: Japanned iron case 3⅜ x 3⅛ x $\frac{9}{16}$ inches; plated steel front 5¼ x 1 inches; iron bolts; steel strike; reversible; flat steel spring; backset 2⅜ inches; spacing 2⅛ inches; iron hub for $\frac{5}{16}$ inch spindle.

Knobs: One-piece style; 2¼ inches diameter; $\frac{5}{16}$ inch spindle.

Escutcheons: 6¾ x 2¼ inches.

One nickel plated steel key.
One set in a box, complete.



SLIDING DOOR LATCH SETS

Flat Front

No.	Finish	Doors	List per set
OC.351.	Old Copper	Single	4.20
DB.351.	Dull Brass	"	4.20
BB.351.	Bright Brass	"	4.20
OC.352.	Old Copper	Double	5.30
DB.352.	Dull Brass	"	5.30
BB.352.	Bright Brass	"	5.30

Lock: Japanned iron case 3½ x 2⅞ x ⅝ inches; plated wrought steel front 5¼ x 1 inch; cast brass bolt; backset 1¾ inches.
Escutcheons: Single sets, 2 open; Double Sets, 2 open, 2 closed; flush cup, size 3⅝ x 1⅞ inches.

One set in a box, complete.

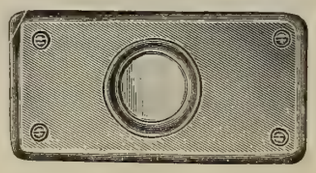
DOOR BELLS

Complete with Bell.

No.	Finish	List per dozen
OC.650.	Old Copper	16.80
BB.650.	Bright Brass	16.80

Rotary Stroke with Turn Plate

Turn: 1⅛ inch "T"; Escutcheon 3⅝ x 1½ inches; 2¼ inch square rod.
Bell: Wrought gong steel; nickel plated; 3 inches diameter.
One set in a box, complete.



ELECTRIC PUSH BUTTONS

Without Bell.

No. BB.700. List per dozen 36.00

Wrought Brass; Bright Finish.

Size 3¼ x 1¾ inches; half dozen in a box with screws.
For Electric Bells see page 21.

Astragal Flat

SLIDING DOOR LATCH SETS

Astragal Front

No.	Finish	Doors	List per set
DB.362.	Dull Brass	Double	6.70
BB.362.	Bright Brass	"	6.70

Lock: Japanned iron case 3⅜ x 3⅜ x ⅝ inches; cast iron plated front 5⅜ x 1¼ inches; cast brass bolt; backset 2$\frac{1}{16}$ ins.

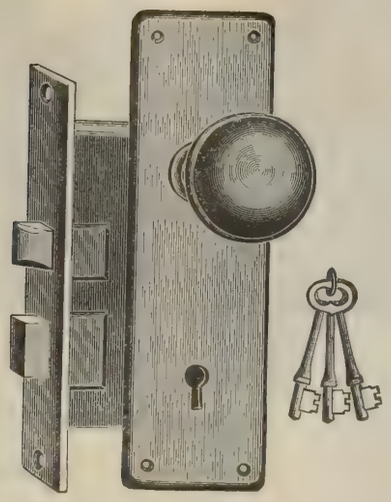
Escutcheons: Flush cup; 2 open, 2 closed; size 3⅝ x 1⅞ inches.

One set in a box, complete.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

WELLINGTON DESIGN

Wrought Steel—Plated



FRONT DOOR LOCK SETS

No.	Finish	List per doz. sets.
DB.265.	Dull Brass	55.20
OC.265.	Old Copper	55.20
BB.265.	Bright Brass	55.20

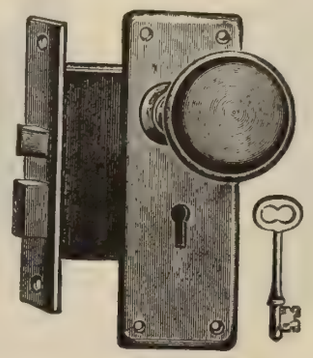
Two-piece Knobs.

Lock: Japanned iron case 4¾ x 3⅜ x 11/16 inches; plated cast front 6⅞ x 1⅛ inches; polished iron bolts; steel strike; reversible; flat steel spring; backset 2½ inches; iron spindle hub; one nickel plated key.

Knobs: Two-piece 2¼ inches diameter; 5/16 inch swivel spindle.

Escutcheons: Outside, 8 x 2⅜ inches; inside, 6⅝ x 2⅛ inches.

One set in a box, complete.



INSIDE DOOR LOCK SETS

No.	Finish	List per doz. sets.
OC.165.	Old Copper	15.50
DB.165.	Dull Brass	15.50
BB.165.	Bright Brass	16.00

Two-piece Knobs.

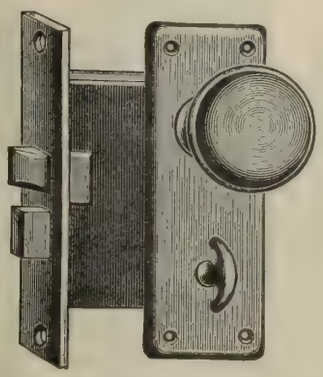
Lock: Japanned iron case 3¾ x 3¼ x 9/16 inches; plated steel front 5½ x 7/8 inches; iron bolts; steel strike; reversible; flat steel spring; backset 2½ inches; spacing 2 3/16 inches; iron hub.

Knobs: Two-piece; 2¼ ins. diameter; 5/16 inch spindle.

Escutcheons: 6 x 2 inches.

One nickel plated steel key.

One set in a box, complete.



BATHROOM DOOR LOCK SETS

No.	Finish	List per doz. sets
NP.150.	Nickel Plated	31.20

With Escutcheon, Knob and Turnpiece.

Lock: Japanned iron case, 3¾ x 3¼ x 9/16 inches; plated steel front 5½ x ⅞ inches; iron bolts; steel strike; reversible; easy spring latch bolt; backset 2½ inches; spacing 2¼ inches; iron spindle hub.

Knob: Two-piece, half pair; 2¼ inches diameter; 5/16 inch spindle.

Escutcheons: 1 only, 6 x 2 inches.

Operation.

Latch bolt by knob from outside. Dead bolt by turnpiece on inside only.

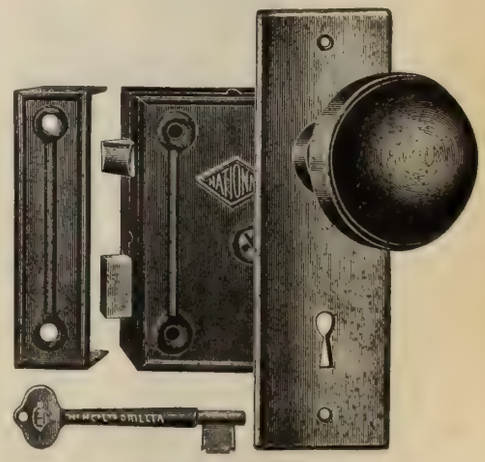
One set in a box, complete.

PUSH PLATES

No.	Finish	List per doz.
OC.450.	Old Copper	6.70
DB.450.	Dull Brass	6.70
BB.450.	Bright Brass	6.70

Size: 10 x 2¾ inches; four screw holes.

Half dozen in a box, with screws.



RIM LOCK SETS

No.	Finish	List per doz. sets
1860.	Old Copper	16.50

Lock: Japanned iron case, upright; 3¾ x 3 1/16 x 5/8 inches; two iron bolts with stop on latch bolt; heavy Japanned cast iron keeper.

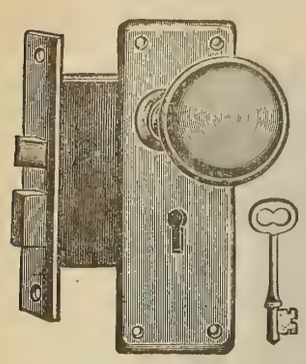
Knobs: Two-piece; 2¼ inches diameter; without roses.

Escutcheon: 6 x 2 ins. for outside only.

One nickel plated steel key.

One set in a box, complete.

INSIDE DOOR LOCK SETS



No.	Finish	List per doz. sets
OC.165.	Old Copper	15.50
DB.165.	Dull Brass	15.50
BB.165.	Bright Brass	16.00

Wrought Steel—Plated.

Two-Piece Knobs.

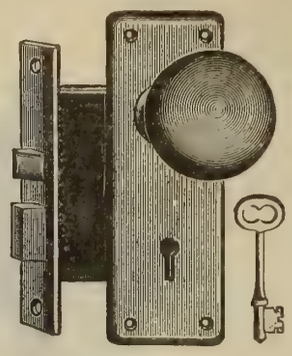
Lock: Japanned iron case 3¾ x 3¼ x 9/16 inches; plated steel front 5½ x 7/8 inches; iron bolts; steel strike; reversible; flat steel spring; backset 2½ inches; spacing 2 3/16 inches; iron hub.

Knobs: Two-piece; 2¼ inches diameter; 5/16 inch spindle.

Escutcheons: 6 x 2 inches.

One nickel plated steel key.

One set in a box, complete.



No.	Finish	List per doz. sets
OC.150.	Old Copper	18.00
DB.150.	Dull Brass	18.00
BB.150.	Bright Brass	19.00

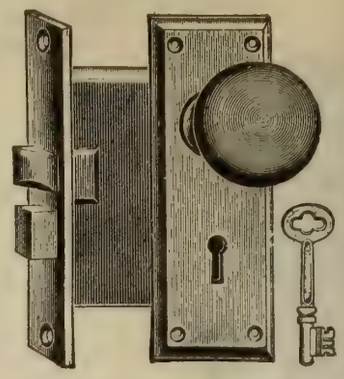
Wrought Steel—Plated.

Lock: Japanned iron case 3⅜ x 3⅛ x 9/16 inch; plated steel front 5¼ x 1 inches; iron bolts; steel strike; reversible; flat steel spring; backset 2⅜ inches; spacing 2⅛ in.; iron hub for 5/16 inch spindle.

Knobs: One-piece style; 2¼ ins. diameter; 5/16 inch spindle.

Escutcheons: 6¾ x 2¼ inches.

One set in a box, complete.



No.	Finish	List per doz. sets
OC.100.	Old Copper	21.60
DB.100.	Dull Brass	21.60
BB.100.	Bright Brass	23.50

Wrought Steel—Plated.

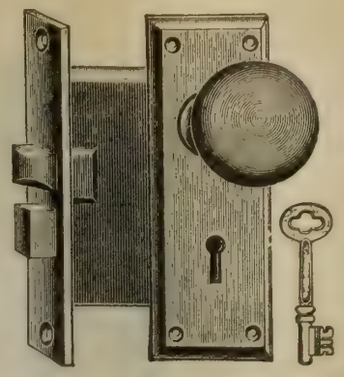
Lock: .Japanned iron case, 3⅝ x 3⅛ x 9/16 inches; plated steel front 5¼ x 1 inches; iron bolts; steel strike; reversible; flat steel spring; backset 2⅜ inches; spacing 2⅛ inches; iron hub for 5/16-inch spindle.

Knobs: One-piece style; diameter, 2¼ inches; 5/16-inch spindle.

Escutcheons: 6¾ x 2¼ inches.

One nickel plated steel key.

One set in a box, complete.



No.	Finish	List per doz. sets
BB.175.	Bright Brass	48.00

Wrought Brass.

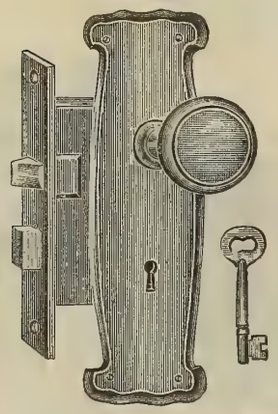
Lock: Japanned iron case, 3¾ x 3¾ x 9/16 inches; wrought brass front 5½ x 7/8 ins.; brass strike and bolts; reversible; easy spring latch; 2½ inch backset; 2 3/16-inch spacing; iron spindle hub 5/16 inch.

Knobs: One-piece; 2¼-inch diameter; rose 2⅛ inch; wrought brass; 5/16-inch spindle.

Escutcheons: 7 x 2⅜ inches.

Keys: One; nickel plated steel.

One set in a box, complete.



No.	Finish	List per doz. sets
BB.185.	Bright Brass	24.00

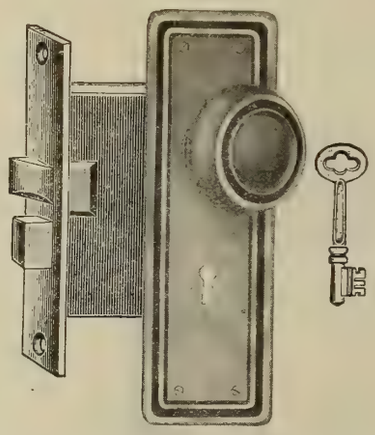
Wrought Steel—Plated.

Lock: Japanned iron case 3¾ x 3¼ x 9/16 inches; steel front 5½ x 7/8 inches; iron bolts; steel strike; reversible; back set 2½ inches; spacing 2 3/16 inches; iron hub for 5/16 inch spindle.

Knobs: Two-piece, 2¼ inches diameter; 2½-inch rose; 5/16-inch spindle.

Escutcheons: 7 x 2½ inches; one nickel plated steel key.

One set in a box, complete.



No.	Finish.	List per doz. sets
OC.135.	Old Copper	21.60
DB.135.	Bright Brass	21.60
BB.135.	Dull Brass	23.50

Wrought Steel; Plated.

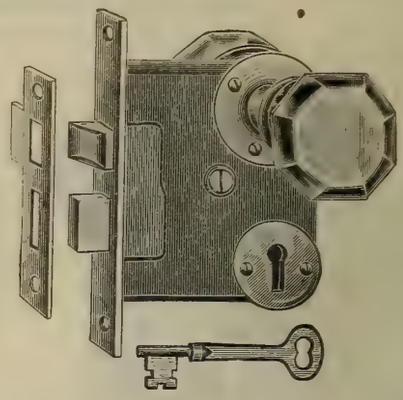
Lock:—Japanned iron case 3⅝ x 3⅛ x 5/8 inches; front 5¼ x 7/8 inches; reversible; easy coil spring; backset 2⅜ inches; spacing 2⅛ inches; steel strike; plated iron bolts; iron hub for 5/16 inch spindle.

Knobs:—One-piece, 2¼ inches diameter; 5/16 inch spindle.

Escutcheons:—7 x 2¼ inches.

Key:—One; nickel plated.

1/12 dozen sets in a box, complete.



No. BB.207. List per dozen sets **56.40**

Bright Brass Finish.

Lock:—Japanned iron case 3⅝ x 3⅛ x 9/16 inches; plated steel front 5¼ x 7/8 inches; plated iron bolts.

Knobs:—Simplex, octagon pressed glass; polished brass shanks and roses; with two 1½ inch keyhole escutcheons and 1 nickel plated steel keys.

No. BB.107. List per dozen sets **76.20**

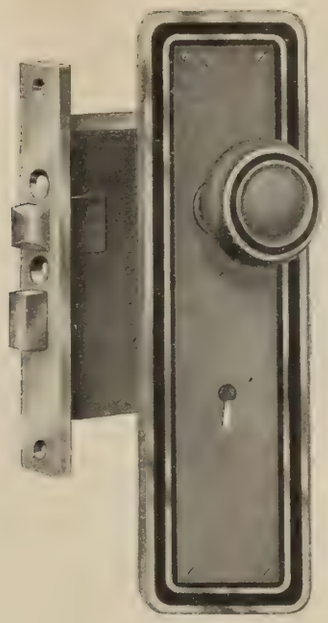
Wrought Brass; Bright Finish.

Lock:—Japanned iron case 3¾ x 3¼ x 9/16 inches; **polished brass front** 5⅝ x 7/8 inch; **brass bolts.**

Knobs:—Simplex, octagon pressed glass; **Carefully machined and fitted polished brass shanks and roses;** with two 1½ inch keyhole escutcheons and 1 nickel plated steel key.

1/12 dozen sets in a box, complete.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.



FRONT DOOR LOCK SETS

No.	Finish	List per dozen sets.
OC.235.	Old Copper	62.40
DB.235.	Dull Brass	62.40
BB.235.	Bright Brass	62.40

Wrought Steel; Plated.

Lock:—Japanned iron case 4½ x 3½ x 5/8 inches; cast iron plated front 6¾ x 1⅛ inches; iron bolts; reversible; easy spring latch bolt; backset 2 11/16 inches; spacing 3 3/16 inches; iron hub for 5/16 inch spindle; steel strike.

Knobs:—One-piece; 2¼ inches diameter; 5/16 inch spindle.

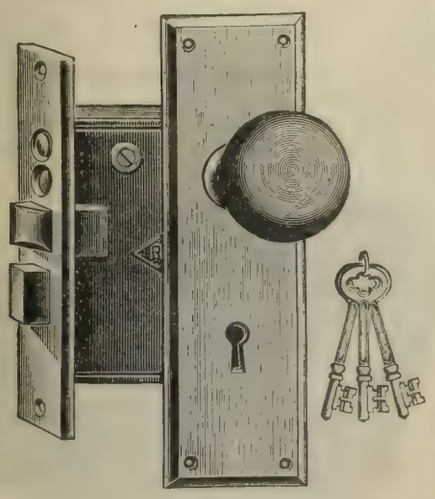
Escutcheons:—Outside, 10 x 2¾ inches; inside, 7 x 2¼ inches.

Three nickel plated steel keys.

1/12 dozen sets in a box, complete.

H. S. HOWLAND, SONS & CO., LIMITED, WHC

Escutcheons: Outside, 8 x 2⅜ inches; inside, 6⅝ x 2⅛ inches.
One set in a box, complete.



No.	Finish	List per doz. sets
BB.275.	Bright Brass	80.00

Wrought Brass.

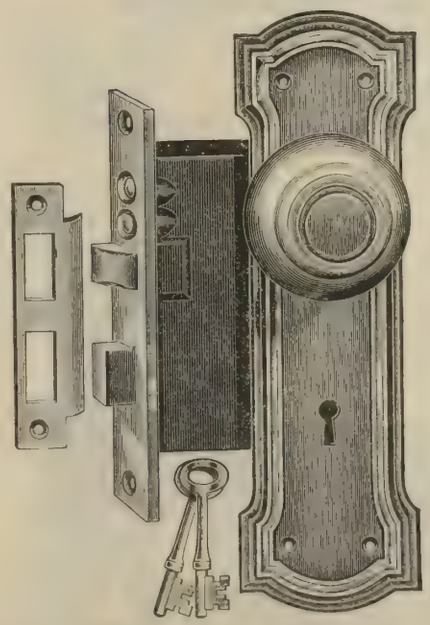
Lock: Japanned iron case 4½ x 3½ x ⅝ inches; cast brass front 6⅝ x 1 inches; brass strike and bolts; reversible; easy spring latch bolt; 2⅝ inch backset; spacing 1⅝ and 3 inches; spindle hub 5/16-inch.

Knobs: Two-piece, 2¼ inches diameter; 5/16-inch swivel spindle.

Escutcheons: Brass outside, 10¼ x 2⅝ inches; plated inside, 7 x 2⅜ inches.

Keys: Two; solid steel; nickel plated.
One set in a box, complete.

Escutcheons: 10 x 2¾ inches.
Two nickel plated steel keys.
One set in a box, complete.



No.	Finish	List per doz. sets
OC.225.	Old Copper	62.00
DB.225.	Dull Brass	62.00

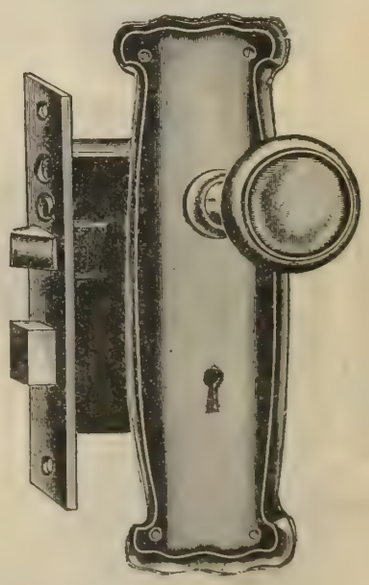
Wrought Steel—Plated.

Lock: Japanned iron case 4¾ x 3¾ x 11/16 inches; cast iron plated front 7 x 1 inches; iron bolts; steel strike; reversible; easy spring latch bolt; backset 2 11/16 inches; spacing 3 3/16 inches; iron hub for 5/16 inch spindle.

Knobs: One-piece, 2¼ inches diameter; 5/16-inch swivel spindle.

Escutcheons: 10 x 2¾ inches.
Two nickel plated steel keys.
One set in a box, complete.

Escutcheons: 10 x 2¾ inches.
Two nickel plated keys.
One set in a box, complete.



No.	Finish	List per doz. sets
BB.285.	Bright Brass	61.20

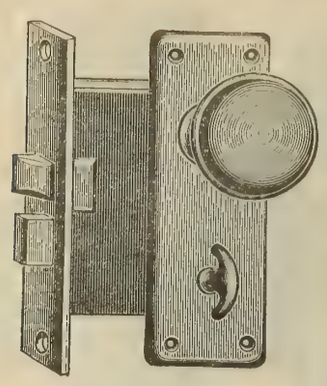
Wrought Steel—Plated.
One key operation.

Lock: Japanned iron case, 4⅝ x 3⅝ x ⅝ inches; cast iron front 6¾ x 1 inch; cast iron plated bolts; steel strike; backset 2 13/16 inches; spacing 2⅝ inches; iron hub for 5/16-inch spindle.

Knobs: Two-piece, 2¼ inches diameter; 5/16-inch swivel spindle.

Escutcheons: Outside, 10 x 2¾ inches; inside 7 x 2½ inches.
Two nickel plated steel keys.
One set in a box, complete.

BATHROOM DOOR LOCK SETS



No.	Finish	List per doz. sets
NP.150.	Nickel Plated	30.00

Wrought Steel—Plated; two-piece Knob with Escutcheon, Knob and Turnpiece.

Lock: Japanned iron case, 3¾ x 3¼ x $\frac{5}{16}$ inches; plated, steel front, 5½ x ⅞ inches; iron bolts; steel strike; reversible; easy spring latch bolt; backset 2½ inches; spacing 2¼ inches; iron spindle hub.

Knob: Two-piece, half pair; 2¼ inches diameter; $\frac{5}{16}$-inch spindle.

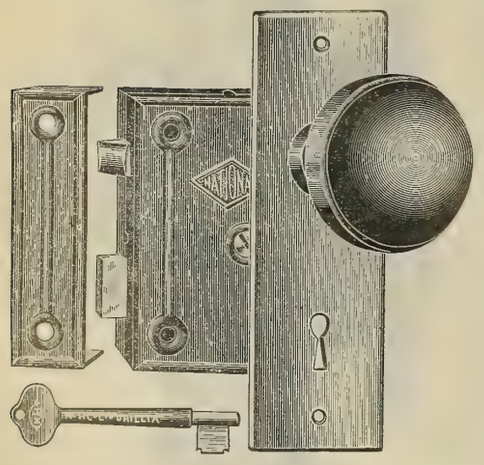
Escutcheon: 1 only, 6 x 2 inches.

Operation:

Latch bolt by knob from outside. Dead bolt by turnpiece on inside only.

One set in a box, complete.

RIM LOCK SETS



No.	Finish	List per doz. sets
OC.1860.	Old Copper	15.00

Lock: Japanned iron case, upright; 3¾ x 3$\frac{1}{16}$ x ⅝ inches; two iron bolts with stop on latch bolt; heavy Japanned cast iron keeper.

Knobs: Two-piece; 2¼ inches diameter; without roses.

Escutcheon: 6 x 2 inches for outside only.

One nickel plated steel key.

One set in a box, complete.

SLIDING DOOR LATCH SETS

Astragal front Flat front

Wrought Steel—Plated.

		List per set
OC.311.	Old Copper Finish	3.70

Flat Front—Single.

Lock: Japanned iron case, 3¼ x 2⅞ x ⅝ inches; plated steel front, 5¼ x 1 inch; cast brass bolt; backset, 1¾ inches.

Escutcheons: Two, 3½ x 1¾ inches.

One set in a box, complete.

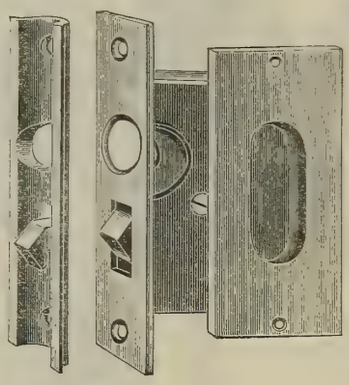
		List per set
OC.322.	Old Copper Finish	4.40

Astragal Front—Double.

Lock: Japanned iron case, 3⅜ x 3⅜ x ⅝ inches; cast iron plated front 5⅜ x 1¼ inches; cast brass bolt; backset 2$\frac{1}{16}$ ins.

Escutcheons: Four; 3½ x 1¾ inches.

One set in a box, complete.



Astragal front Flat front

Wrought Steel—Plated.

Astragal Front.

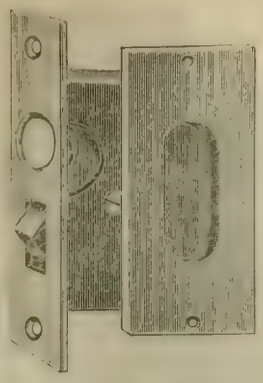
No.	Finish	Doors	List per set
DB.362.	Dull Brass.	Double	4.70
BB.362.	Bright Brass.	Double	4.70

Lock: Japanned iron case 3⅜ x 3⅜ x ⅝ inches; cast iron plated front 5⅜ x 1¼ inches; cast brass bolt; backset 2$\frac{1}{16}$ ins.

Escutcheons: Flush cup; 2 open, 2 closed; size 3⅝ x 1⅞ inches.

One set in a box, complete.

SLIDING DOOR LATCH SETS



Wrought Steel—Plated.

Flat Front.

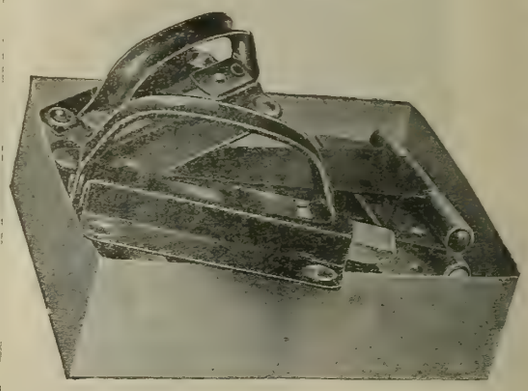
No.	Finish	Doors	List per set
OC.351.	Old Copper.	Single	3.10
DB.351.	Dull Brass.	Single	3.10
BB.351.	Bright Brass.	Single	3.10
OC.352.	Old Copper.	Double	4.00
DB.352.	Dull Brass.	Double	4.00
BB.352.	Bright Brass.	Double	4.00

Lock: Japanned iron case 3½ x 2⅞ x ⅝ inches; plated wrought steel front 5¼ x 1 inches; cast brass bolt; backset 1¾ inches.

Escutcheons: Single sets, 2 open; double sets, 2 open, 2 closed; flush cup, size 3⅝ x 1⅞ inches.

One set in a box, complete.

GARAGE DOOR SETS



"UNIVERSAL." List per set 7.10

Wrought Steel—Japanned finish.

1 Latch: Japanned frame and handles; lock-bolt and sherardized spring of piano wire; includes padlock eyes.

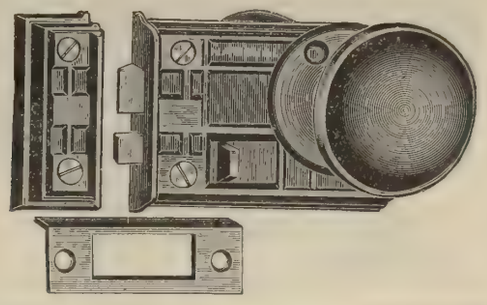
1 6-inch Chain Bolt: Plate 2 inches wide; ¾-inch round bolt; 24-inch chain with 1⅛-inch ring; includes one chain guide, two staples, one strap and one angle.

1 6-inch Foot Bolt: Plate 5 x 2 inches; ⅝-inch bolt with bronze cap; cupped floor plate; 1-inch stroke.

3 Pairs Heavy Tee Hinges—8-inch.
Packed one set in a box with screws.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

RIM LATCH SETS



No. OC. 1260. List per dozen sets **11.50**

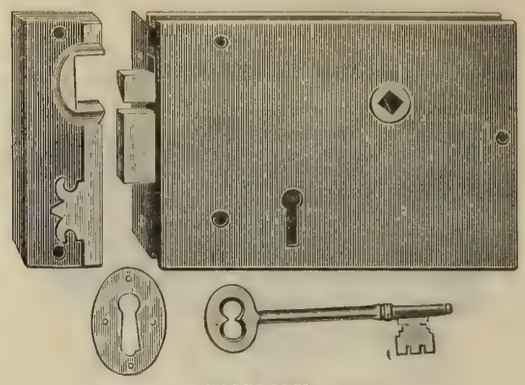
Horizontal; Flush Bolt Thumb Piece with Extra Keeper for Storm Doors.

LATCH:—Japanned iron case, 3½ x 2½ x3/4 inch; iron bolt with thumb piece; reversible; backset 2 1/16 inches; iron hub for 5/16 inch spindle.

KNOBS:—Old copper finish, 2-piece, 2¼ inches diameter, with one rose.

1/12 dozen sets in a box, with screws.

CARPENTERS RIM LOCKS



ENGLISH

No. 60A—	5-Inch	6-Inch
Right Hand, list dozen	25.50	25.50
Left Hand, list dozen	25.50	25.50
Size, Inches	5x4¼x1	6x4¼x1
App. wt. doz., lbs.	26	28

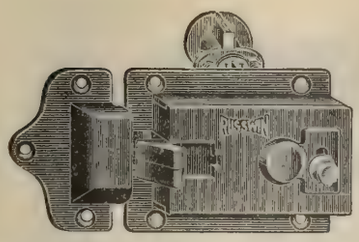
2 Bolts; With Strike.

Black enamelled wrought iron case; bright iron bolts; japanned box strike with brass edge and lip; 1 bright iron key; brass key plate escutcheon and japanned screws.

1/2 dozen in a box.

NOTE:—The English right hand lock is intended for a door opening inward to the left as opened from the outside, this is just the reverse from the Canadian and American Locks.

GARAGE DOOR LOCKS

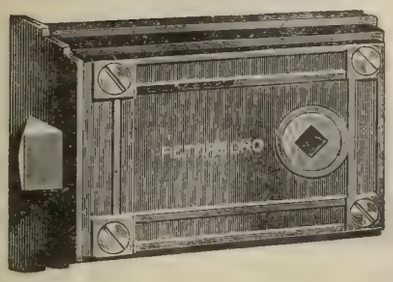


No. 200—List each 6.50

Dead Black Finish; cast iron case 4½ x 4⅝ inches; bronze cylinder and collar with stop; self-latching hinged latch bolt; right or left hand reverse bevel; three silvered keys.

1/12 dozen in a box, with screws.

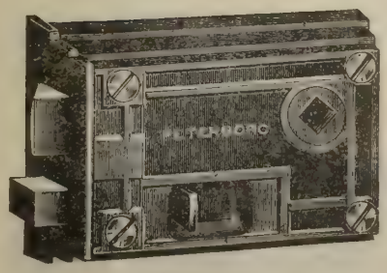
RIM KNOB LATCHES



No. 70—List per dozen 7.00

Japanned iron case 3⅝ x 2¾ x ¾ inch; iron bolt; reversible; backset 2⅝ inches; iron hub for 5/16 spindle; with strike plate.

Half dozen in a box, with screws.



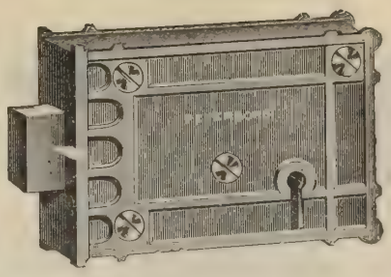
No. 75—List per dozen 8.50

Horizontal; flush bolt thumb piece

Japanned iron case 3⅝ x 2¾ x ¾ inch; iron bolt; reversible; backset 2⅝ inches; iron hub for 5/16 inch spindle; with strike plate.

Half dozen in a box, with screws.

RIM DEAD LOCKS



No. 141—List per dozen 19.10

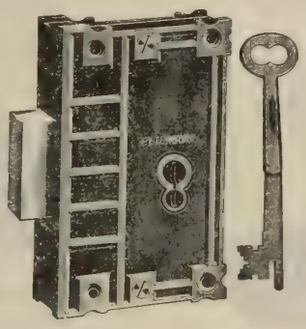
Japanned iron case 5 x 3⅜ x ¾ inch; iron bolt; reversible; backset 2 inches; japanned key plate and keeper; 1 nickel plated steel key.

Half dozen in a box, with screws.

No. 121—List per dozen 8.40

Japanned iron case 3⅜ x 2¼ x ⅝ inch; iron bolt; reversible; backset 2½ inches; japanned key plate; 1 plated steel key.

Half dozen in a box, with screws.



No. 451—List per dozen 38.00

Japanned iron case 5 x 3 x 1; iron bolt; reversible; backset 2 inches; japanned key plate; brass bushing; 2 nickel plated steel keys.

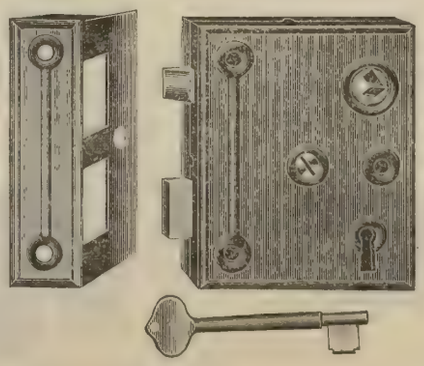
One in a box, with screws.

No. 441—List per dozen 35.30

Japanned iron case 4 x 2½ x 15/16 inch; iron bolt; reversible; backset 1½ inches; japanned key plate; brass bushing; 2 nickel plated steel keys.

One in a box, with screws.

RIM KNOB LOCKS

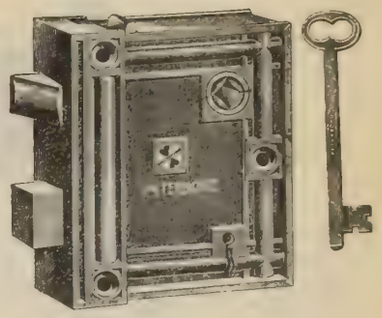


No. 3800—List per dozen 8.90

Japanned steel case 3⅞ x 3⅛ x ⅝ inches; iron bolts; with stop; backset 2½ ins.; iron hub for $\frac{5}{16}$-in. spindle; japanned key plate and keeper; one nickel plated key.

Half dozen in a box.

RIM KNOB LOCKS



No. 1500—List per dozen 7.70

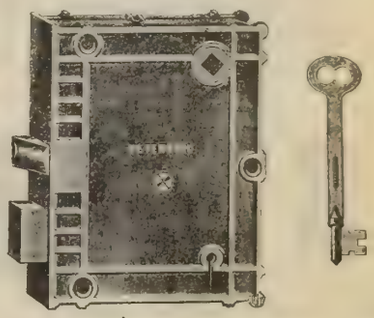
Japanned iron case 4x3¼x¾-inch; iron bolts; with stop; reversible; backset 2½ inches; iron hub for $\frac{5}{16}$ inch spindle; japanned key plate; one nickel plated iron key.

Half dozen in a box, with screws.

No. 1426—List per dozen 11.30

Japanned iron case 4 x 3¼ x ¾ inch; iron bolts; with stop; reversible; backset 2⅜ inches; iron hub for $\frac{5}{16}$ inch spindle; japanned key plate; one nickel plated steel key.

Half dozen in a box, with screws.



No. 1241—List per dozen 16.30

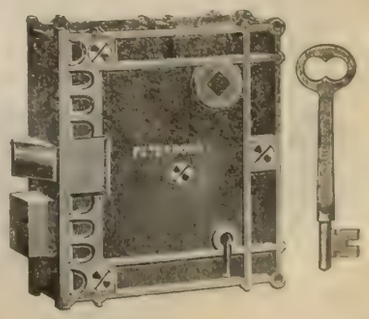
Japanned iron case 4½ x 3½ x ¾ inch; iron bolts; with stop; reversible; backset 2½ inches; iron hub for $\frac{5}{16}$ inch spindle; japanned key plate; one nickel plated steel key.

Half dozen in a box, with screws.

No. 1226—List per dozen 11.70

Japanned iron case 4¼ x 3¼ x ¾ inch; iron bolts; with stop; reversible; backset 2½ inches; japanned key plate; iron hub for $\frac{5}{16}$ inch spindle; one nickel plated steel key.

Half dozen in a box, with screws.



No. 1251—List per dozen 35.60

Japanned iron case 5 x 4 x ¾ inch; iron bolts; with stop; reversible; backset 3 inches; iron hub for $\frac{5}{16}$ inch spindle; japanned key plate; one nickel plated steel key.

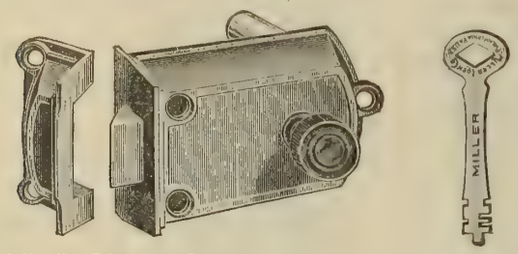
Half dozen in a box, with screws.

RIM NIGHT LATCHES

No. 26. "Yale". List per dozen 17.50

Japanned iron case 2 x 3¼ x ¾ inches; wrought brass tube; bronze plated bolt, turn knob and key plate; backset 2½ inches for doors up to 1¾ inches; bolt may be held back by knob; 2 nickel plated flat steel keys; approximate weight each, 14 ounces.

One in a carton, complete.



No. 170. "Miller". List per dozen 19.80

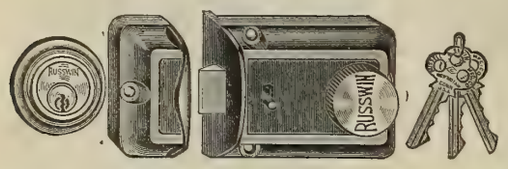
Japanned iron case, 2¼ x 3¼ inches; bronze bolt, escutcheon and knob; selvedge 2 1/16 inches; hole in wood 1 13/16 inches diameter; backset 1¾ inches; for doors ¾ to 1⅝ inches; bolt held back by knob; 2 nickel plated flat steel keys; approximate weight per dozen, 10 5/16 pounds.

One in a carton, complete.

No. 33. "Yale"—List per dozen 50.40

Japanned iron case 2¼ x 3 x ⅞ inches; bronze cylinder, turn knob and stop; bronze plated bolt; backset 2 inches; for doors ⅞ to 1½ inches; bolt may be held back by stop; 3 flat steel nickel plated keys.

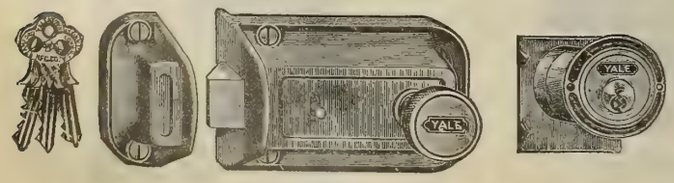
One in a carton, complete.



No. 1292. "Russwin"—List per dozen 52.00

Japanned iron case 2¼ x 3 inches; bronze cylinder; bronze plated bolt, turn knob and stop; backset 2 inches; for doors 1 to 2½ inches; bolt may be held back by stop; 3 Liberty Silver Keys.

One in a carton, complete.



No. 34. "Yale"—List per dozen 60.40

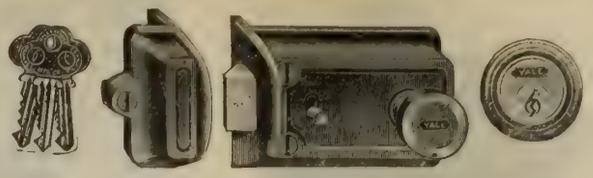
For doors ⅞ to 1½ inches.

No. 34X. "Yale"—List per dozen 60.40

For doors 1¾ to 2¼ inches.

Japanned iron case 2¼ x 3½ x ⅞ inches; bronze cylinder, turn knob and stop; bronze plated bolt; backset 2⅜ ins.; bolt may be held back by stop; 3 corrugated nickel bronze keys.

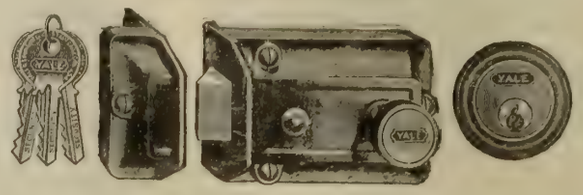
One in a carton, complete.



No. 37. "Yale"—List per dozen 68.00

Japanned iron case 2 x 3⅝ x 1 inch; bronze cylinder, bolt, turn knob and stop; backset 2⅜ inches; for doors ⅞ x 2½ inches; bolt may be held back by stop; 3 corrugated keys.

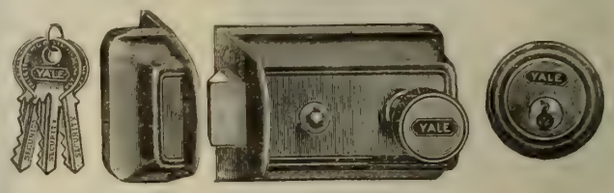
One in a carton, complete.



No. 042. "Yale"—List per dozen 86.40

Japanned iron case 2½ x 3⅝ x 1 inch; bronze cylinder, bolt, turn knob and stop; backset 2⅜ inches; for doors ⅞ to 2½ inches; bolt may be held back by stop; 3 paracentric keys.

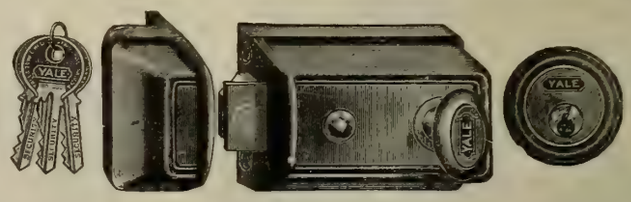
One in a carton, complete.



No.42. "Yale"—List per dozen 92.40

Old Copper Finish iron case 2⅜ x 3½ x 1 inch; bronze cylinder, bolt, turn knob and stop; backset 2⅜ inches; for doors ⅞ to 2½ inches; bolt may be held back by stop; 3 paracentric keys.

One in a carton, complete.

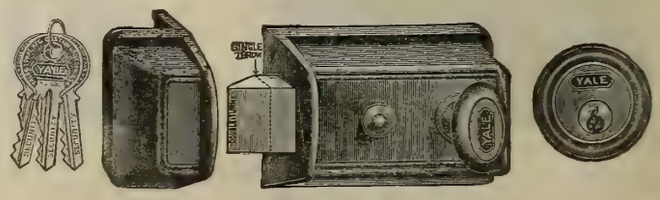


No. 44. "Yale"—List per dozen 105.30

Deadlocking

Old Copper Finish iron case 2⅜ x 3½ x 1¼ inches; bronze cylinder, bolt, turn knob and stop; backset 2⅜ inches; 3 paracentric keys; for doors ⅞ to 2½ inches; bolt may be held back by stop; the "protector" at the back of bolt operates to positively deadlock the bolt against end pressure.

One in a carton, complete.



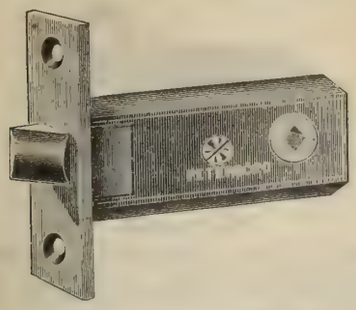
No. 46. "Yale"—List per dozen 133.20

Double-throw deadlocking

Old Copper Finish iron case 2⅜ x 3½ x 1 inches; bronze cylinder, bolt, turn knob and stop; backset 2⅜ inches; 3 paracentric keys, for doors ⅞ to 2½ inches; bolt may be held back by stop; bolt may be given a **second throw**, making it proof against end pressure.

One in a carton, complete.

MORTISE KNOB LATCHES



No. 1. List per dozen 4.80

Japanned iron case 3¼ x 1½ x ⅝ ins.; plated steel front 3 x ⅞ inches; reversible; backset 2⅝ inches; $\frac{5}{16}$ inch spindle hub; approximate weight per dozen, 5½ pounds.

One dozen in a box, with screws.

MORTISE KNOB LOCKS

No. 900. List per dozen 9.20

Blue Black Finish.

No. DB.0900. List per dozen 9.20

Dull Brass Finish.

Japanned iron case 3¾ x 3¼ x $\frac{9}{16}$ ins.; steel front 5½ x ⅞ inches; polished iron bolts; backset 2½ inches; spacing $2\frac{3}{16}$ inches; iron hub for $\frac{5}{16}$ inch spindle; 1 nickel plated key; approximate weight per dozen 12¾ pounds.

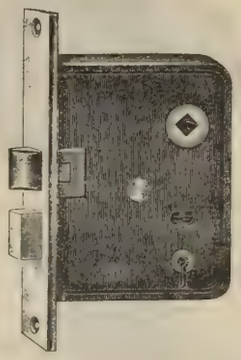
Half dozen in a box, with screws.

No. 219. List per dozen 18.90

Japanned iron case 3¾ x 3¼ x $\frac{9}{16}$ inches; cast brass front 5½ x 1 inch; cast brass bolts; backset 2½ inches; spacing $2\frac{3}{16}$ inches; iron hub for $\frac{5}{16}$ inch spindle; 1 nickel plated steel key; approximate weight per dozen, 13½ pounds.

Half dozen in a box, with screws.

MORTISE KNOB LOCKS



No. 237. List per dozen 22.80

Japanned iron case 4⅝ x 3⅝ x ⅝ inches; polished iron front 6¾ x 1 inches; iron plated bolts; reversible; easy spring latch; backset $2\frac{13}{16}$ inches; spacing 2⅝ inches; iron hub for $\frac{5}{16}$ inch spindle; 1 nickel plated steel key; approximate weight per dozen, 20 pounds.

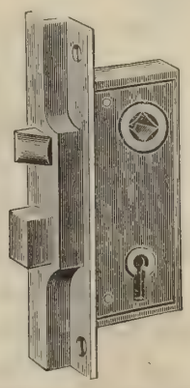
Half dozen in a box, with screws.

No. 227. List per dozen 32.90

Japanned iron case 4 x 3¼ x $\frac{9}{16}$ inches; cast brass front 6 x 1 inch; cast brass bolts; reversible; easy spring latch; backset 2½ inches; iron hub for $\frac{5}{16}$ inch spindle; spacing 2¾ inches; 1 nickel plated steel key; approximate weight per dozen, 13½ pounds.

Half dozen in a box, with screws.

No. 116.



No. 118.

For doors with narrow stiles.

No. 116. List per dozen 39.20

Japanned iron case 3¾ x $1\frac{9}{16}$ x $\frac{9}{16}$ inches; brass plated iron front 5 x $\frac{13}{16}$ inches; brass bolt; reversible; easy spring; backset $\frac{13}{16}$ inches; brass hub for $\frac{5}{16}$ inch spindle; 1 nickel plated steel key; approximate weight per dozen, 4 pounds.

Half dozen in a box, with screws.

No. 268. List per dozen 56.00

Rabbeted, Reversible

Japanned iron case, 3¾ x 2 x $\frac{9}{16}$ inches; brass plated iron front 5⅜ x $\frac{13}{16}$ inches; brass bolts; easy spring latch; backset $\frac{13}{16}$ x 1⅜ inches; $\frac{5}{16}$-inch brass spindle hub; one nickel plated steel key; average weight per dozen, 11¼ pounds.

½ dozen in a box, with screws.

MORTISE KNOB LOCKS

No. 345. List per dozen 48.00

Two key operation with night works.

Japanned iron case 4½ x 3½ x ⅝ inches; cast brass front 6⅝ x 1 inch; cast brass bolts; reversible; easy spring; backset 2⅝ inches; spacing 1⅝ and 3 inches; iron hub for $\frac{5}{16}$ inch spindle; 3 nickel plated keys; approximate weight per dozen, 8 pounds.

Half dozen in a box, with screws.

No. 269. List per dozen 59.60

Rabbeted.

Japanned iron case 3⅝ x 3⅛ x ⅝ inches; cast brass front 5½ x 1 inch; cast brass bolts; reversible easy spring latch; backset 2⅛ x 2⅝ inches; spacing $2\frac{3}{16}$ inches; one nickel plated steel key; approximate weight per dozen, 13 pounds.

Quarter dozen in a box, with screws.

DOOR KNOB SPINDLES

Plain

No. 4001 x 4. List per dozen 2.20

For plain shank knobs; for doors 1¾ to 2½ inches; tapped.

No. 4001 x 5. List per dozen 2.20

Straight; $\frac{5}{16}$ x 5 inches; for plain shank knobs; for doors 2¼ to 3 inches; wrought steel; drilled and tapped.

Swivel

No. 4002 x 5. List per dozen 6:00

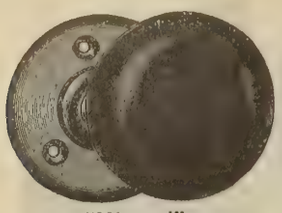
$\frac{5}{16}$-inch; for doors 2¼ to 3 ins.; wrought steel, drilled and tapped.

DOOR KNOB SCREWS

3/8 x 9. List per gross ..... .80

Blued steel; one gross in a box; sold only in full boxes.

DOOR KNOBS



"Mineral"

No. 301 Rim. List per dozen pairs 7.00

2½ inch diameter; Japanned cast iron mounting; $\frac{5}{16}$-inch spindle; adjustable to doors 1¾ to 2½ inches.
Half a dozen pairs in a box.

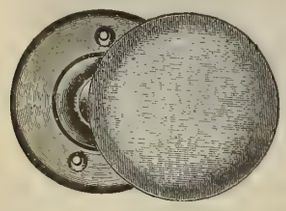
"Jet"

No. 337. Rim. List per dozen pairs 7.00

2¼ inch diameter knob; japanned cast iron mountings; $\frac{5}{16}$-inch spindle; for doors 1¾ to 2½ inches thick.
Half a dozen pairs in a box.

No. 336. Mortise. List per dozen pairs .. 7.00

2¼ inch diameter knob; japanned cast iron mountings; $\frac{5}{16}$-inch spindle; for doors 1¼ to 2¼ inches.
Half a dozen pairs in a box.



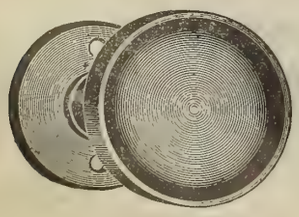
Porcelain

No. 307. Rim.	List per doz. pairs
1½ to 2¼ inch doors	7.00
1¾ to 2½ inch doors	7.00
2½ to 3 inch doors	7.00

2¼ inch diameter knob; japanned cast iron mountings; $\frac{5}{16}$-inch spindle.
Half a dozen pairs in a box.

No. 306. Mortise. List per dozen pairs .. 7.00

2¼ inch diameter knob; japanned cast iron mountings; $\frac{5}{16}$-inch spindle. Adjustable to doors 1¼ to 2¼ inches.
Half a dozen pairs in a box.



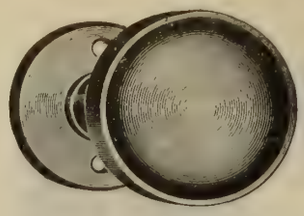
No. 5106 Rim. List per dozen pairs 7.70

No. 5106 Mortise. List per doz. pairs 7.70

Two-piece.

Bronze lacquered wrought steel, 2¼ ins. diameter; cast iron mountings; for doors 1¾ to 2½ inches; approximate weight per dozen pairs, 9½ lbs.
Half a dozen pairs in a box.

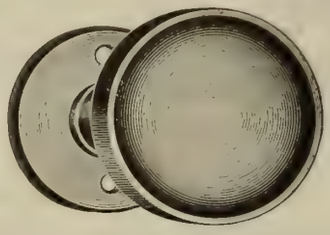
DOOR KNOBS



No.	Finish	List per doz. pairs
DB.4860.	Dull Brass	12.50
OC.4860.	Old Copper	12.50

Rim, two-piece

Wrought steel; 2½ inches diameter; cast iron mountings; for doors 1¾ to 2½ ins.; approximate weight per dozen pairs, 6½ pounds.
Half a dozen pairs in a box.



No.	Finish	List per doz. pairs
DB.4165.	Dull Brass	12.50
OC.4165.	Old Copper	12.50

Mortise, two-piece.

Wrought steel; 2½ inches diameter; cast iron mountings; for doors 1¼ to 2¼ ins.; approximate weight per dozen pairs, 7¼ pounds.

Half a dozen pairs in a box.

LOCK STRIKES

No. 219. List per dozen 1.70

Dull Brass Finish.

No. 900. List per dozen 1.30

Blue Black Finish.

Stamped steel; plated; 3¾ inches long; for 3¾ inch mortise locks.

Packed loose.

CYLINDER KEY BLANKS

No. 017. List per dozen 1.70

Empire silver; polished; corrugated; length over all 2 inches; approximate weight per box, 11 ounces.
6 dozen in a box.

No. 08. List per dozen 2.20

Brass Plated metal; corrugated; length over all 2⅛ inches; width of bit $\frac{5}{16}$-inch; approximate weight per box, 27 ounces.
6 dozen in a box.

CYLINDER KEY BLANKS

No. 06. "Graham." List per dozen 1.70

No. 6. "Yale." List per dozen 2.60

Pin Tumbler

Empire Silver; corrugated; polished; length 2 inches, for No. 745 S and V. and other Padlocks; approximate weight per box, 11 ounces.
6 dozen in a box.

No. 0277. List per dozen 2.80

Empire silver, brass plated; paracentric; length over all 2$\frac{1}{16}$ inches, approximate weight per box, 12 ounces.
6 dozen in a box.

FLAT KEY BLANKS

No. 04. "Graham." List per dozen ..... .48

Polished steel; flat; length over all 2¼ inches; width of bit $\frac{3}{32}$ inches; average weight per box, 11 ounces.
6 dozen in a box.

No. 04978. List per dozen ..... .48

Polished steel; flat; length over all 2$\frac{7}{16}$ inches; for Night Latches; average weight per box, 40 ounces.
12 dozen in a box.

No. 0378/064. List per dozen ..... .48

For Miller Rim Latch No. 170.

Polished steel; flat; length over all 2⅞ inches; for Night Latches; average weight per box, 34 ozs.
12 dozen in a box.

No. 269. List per dozen ..... .44

For No. 9 Night Latch.

Polished steel; flat; length over all 2¾ inches; for Night Latches; average weight per box, 31 ounces.
12 dozen in a box.

No. 0170. List per dozen ..... .48

Polished steel; flat; length over all 2⅞ inches; for Night Latches; average weight per box, 9 ounces.
3 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

RIM LOCK STRIKES
or
BOX STAPLES

No. 60A—

Right Hand. List per dozen 3.30

Left Hand. List per dozen 3.30

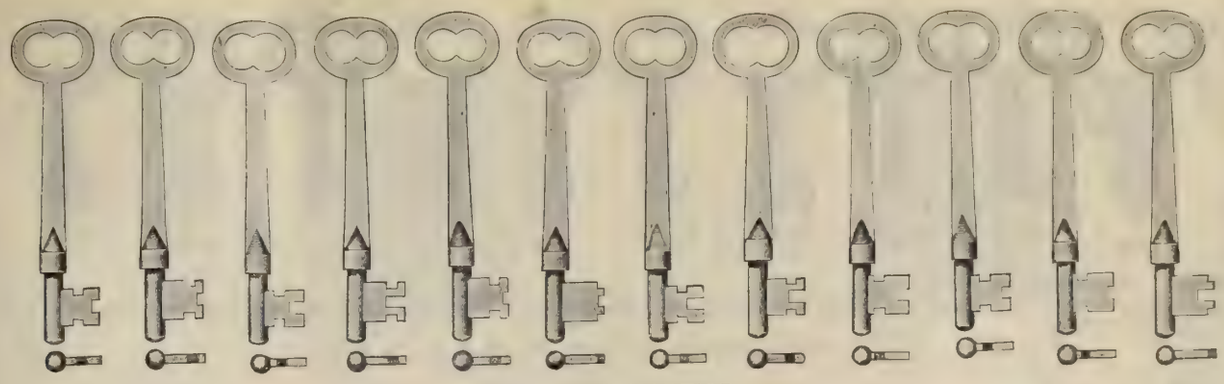
For Carpenters English Rim Locks.

Wrought iron; black japanned finish; with brass edge and lip; length, 5 inches; average weight per dozen, 3¾ pounds.
1 dozen in a box.

Note: The English right hand lock is intended for a door opening inward to the left as opened from the outside, this is just the revese from the Canadian and American locks.

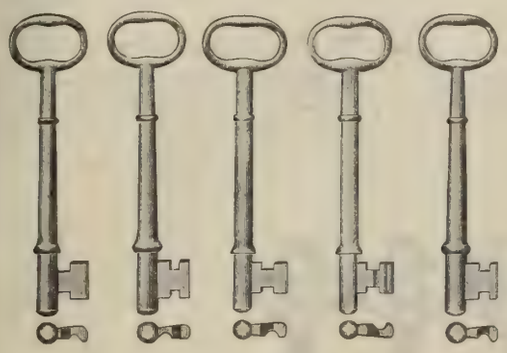
See Page 11A for Rim Locks.

DOOR LOCK CUT KEYS

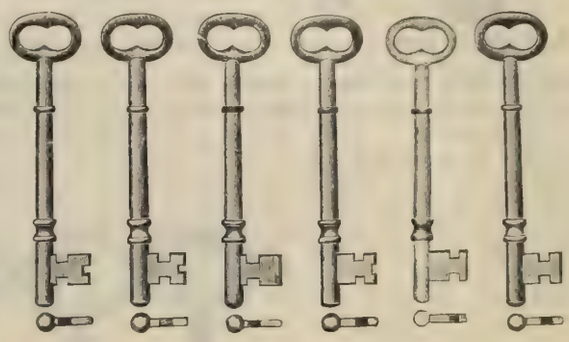


RIM AND MORTISE

No. 1000. Assorted. ..... List per gross 8.20
Malleable iron; nickel plated; length over all 3½ inches; for Rim and Mortise Locks; approximate weight per box, 1 pound.
12 changes assorted in each box.
¼ of a gross in a box.

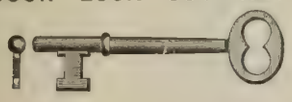


No. 1004. Assorted. List per gross 8.20
Rim and Mortise.
Malleable iron; nickel plated; for Rim and Mortise Locks.
5 changes assorted in each box.
¼ gross in a box.

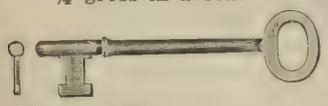


No. 1002. Assorted. List per gross 8.20
For Locks Nos.: 121, 1226, 116, 900, 0900, 3800.
Malleable iron; nickel plated; length over all 3⅛ inches; for Rim and Mortise Locks; approximate weight per box, 19 ounces. **6 changes assorted in each box.**
¼ gross in a box.

DOOR LOCK CUT KEYS



No. 1003. Assorted. List per gross 8.20
For Locks Nos.: 121, 116, 900, 0900, 3800, 1226
Malleable iron; nickel plated; for Rim and Mortise Locks; in assorted lengths and bits; average weight per box, 16 ozs.
6 Changes assorted in each box.
¼ gross in a box.



No. 2004. List per gross 8.20
For Locks Nos.: 3800, 1426, 1226, 121, 116, 900, 0900, 1241.
Malleable iron; nickel plated; length 3⅛ inches; for Mortise Locks; approximate weight per box, 13 ounces.
¼ gross in a box.

No. 103. List per gross 8.20
For Locks Nos.: 3800, 1426, 121, 1226, 116, 219, 900, 0900, 1241.
Malleable iron; nickel plated; length 3⅛ inches; for Mortise Locks; average weight per box, 13 ounces.
¼ gross in a box.

No. 1013. List per gross 8.40
For Locks Nos.: 121, 3800, 0900, 900, 219, 1426.
Malleable iron; nickel plated; length 3 3/16 inches; for Mortise Locks; average weight per box, 13 ounces.
¼ gross in a box.

DOOR LOCK KEY BLANKS

No. 1100. List per gross 8.40
Malleable iron; nickel plated; length over all 3⅜ inches; for rim locks; average weight per box, 1 pound.
¼ gross in a box.

No. 1101. List per gross 8.40
Malleable iron; nickel plated; length over all 3½ inches; for rim locks; average weight per box, 20 ounces.
¼ gross in a box.

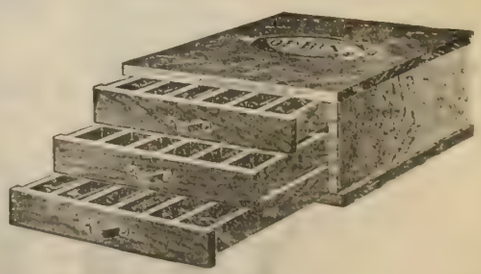
No. 1102. List per gross 8.40
Malleable iron; nickel plated; length over all 2¾ inches; for Mortise Locks; average weight per box, 1 pound.
¼ gross in a box.

No. 1103. List per gross 8.40
Malleable iron; nickel plated; length over all 2⅛ inches; for Mortise locks; average weight per box, 20 ounces.
¼ gross in a box.

FOLDING KEY BLANKS

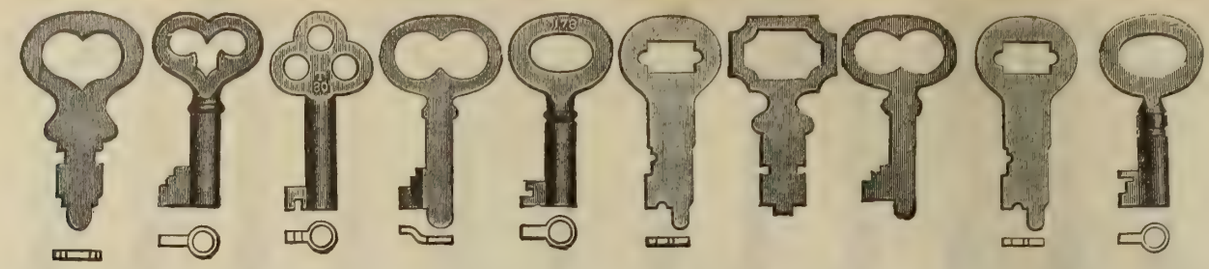
No. 46. List per doz. 9.30
For Lock No. 451.
Nickel plated steel; folding blanks; length when open 4¾ inches; when folded 2⅛ inches; for store door locks; average weight per box, 27 ounces.
3 dozen in a box.

RETAILER'S KEY ASSORTMENT



No. 106A. List each 31.20
Three Drawer Cabinet.
Three gross keys and blanks: Till, Chest, Cabinet, Trunk and Wardrobe Keys, Empire Silver Blanks, malleable iron, brass, nickel plated door keys and blanks; in varnished wood cabinet containing seventy-two compartments; with brass drawer pulls; size of Cabinet 11 x 13¼ x 4½ inches; approximate weight complete, 16 pounds.

TRUNK LOCK KEYS



No. 4302. Assorted. List per gross 12.00
Polished steel; flat keys; malleable iron, single bit, barrel keys; assorted sizes and bits; average weight per box, 10 ounces.
10 styles assorted in a box. ½ gross in a box.

TRUNK LOCK KEYS

No. 4194. List per gross 16.40
Malleable iron; polished; single bit barrel; length 1⅝ inches; average weight per box, 12 ounces.
½ gross in a box.

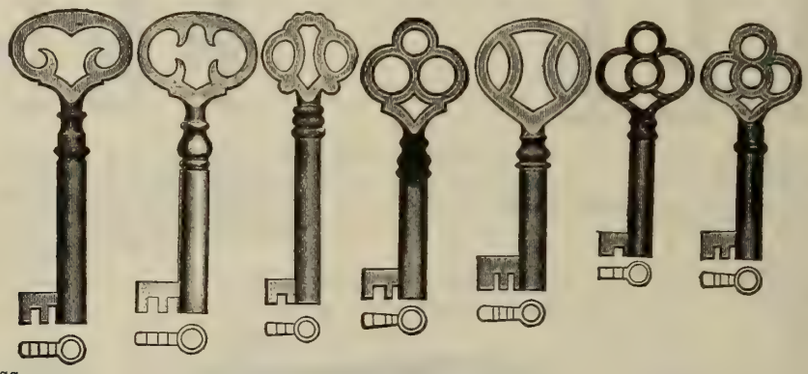
TRUNK LOCK KEYS

No. 4195. List per gross 16.40
Malleable iron; polished; single bit; barrel; length 1⅝ inches; average weight per box, 13 ounces.
½ gross in a box.

CABINET LOCK KEYS

No. 72½. List per gross 16.40
Malleable iron; polished; single bit; barrel; length 1 15/16 inches; average weight per box, 9 ounces.
¼ gross in a box.

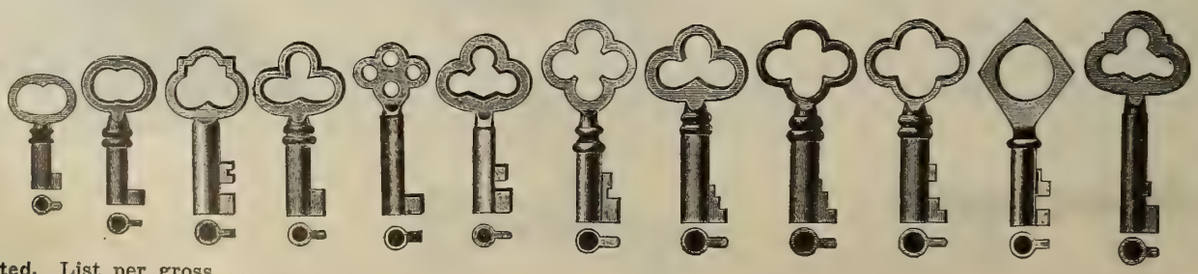
CABINET LOCK KEYS



No. 3500. Assorted. List per gross 11.20
Malleable iron; polished; in assorted sizes and bits. 7 styles assorted in a box. ½ gross in a box.

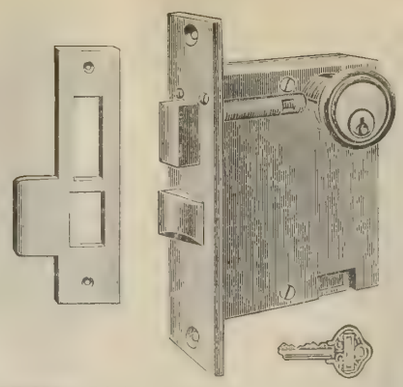
BAG LOCK KEYS

No. 5200. Assorted. List per gross 6.00
Polished steel; flat; in assorted styles and bits; average weight per box, 8 ounces.
6 styles assorted in a box. ½ gross in a box.



No. 5199. Assorted. List per gross 9.30
Malleable iron; polished; single bit barrel keys; in assorted sizes and bits; average weight per box, 9 ounces.
12 styles assorted in a box. ½ gross in a box.

STORE DOOR LOCK SETS



No. BB.289. List per set 47.50

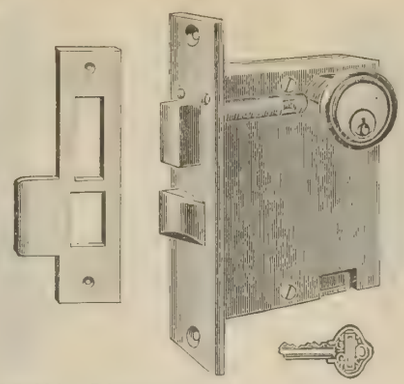
Sectional Cylinder—Double Handles
Cast Brass, Polished.

Sectional door handles for inside and outside.

Specifications:

Grips: 9¾ x 2½ inches; upper plate 2 9/16 x 3 inches; lower plate 2⅛ x 2½ ins.
Lock: Japanned iron case 5 x 3⅝ x 1 in.; cast brass front 6¾ x 1¼ inches; cast brass bolts; reversible; easy spring latch; backset 2¾ inches; spacing 4 ins.
Cylinders: One for each side of door with round plates 2¼ inches diameter; 3 Empire Silver gold plated keys.
Operated by thumb piece and key from either side; average weight per set 7½ pounds.

One set in a box, complete.



No. BB.291. List per set 47.00

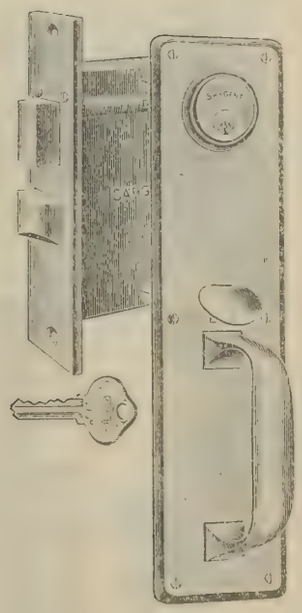
Sectional Cylinder—Double Handles.
Cast Brass, Polished.

Sectional door handles for inside and outside.

Specifications:

Grips: 9¾ x 2½ inches; round upper plate 2 9/16 inches diameter; lower plate 2 inch diameter.
Lock: Japanned iron case 5 x 3⅝ x 1 in.; cast brass front 6¾ x 1¼ inch; cast brass bolts; reversible; easy spring; latch; backset 2¾ inches; spacing, 4 inches.
Cylinders: One for each side of door with round plates 2¼ inch diameter; 3 Empire Silver gold plated keys.
Operated by thumb piece and key from either side; average weight per set, 7½ pounds.

One set in a box, complete.



No. 7843SB. List per set 32.40

Cylinder—Double Handles.
Wrought Bronze—Polished.

Handled escutcheons for inside and outside.

Specifications:

Escutcheons: Two, 12 x 3 inches; with straight grips.
Lock: Japanned iron case 5⅛ x 3¼ x ⅞ inches; bronze front 1 9/16 x 7 1/16 inches; bronzed bolts; reversible; easy spring latch; backset 2¾ inches.
Cylinders: One for each side of door; three oxodized Empire Silver keys.
Operated by thumb piece and key from either side. Average weight per set, 4¾ pounds.

One set in a box, complete.

No. BB.292. List per set 27.00

Handled escutcheons for inside and outside.

Wrought Brass, Polished.

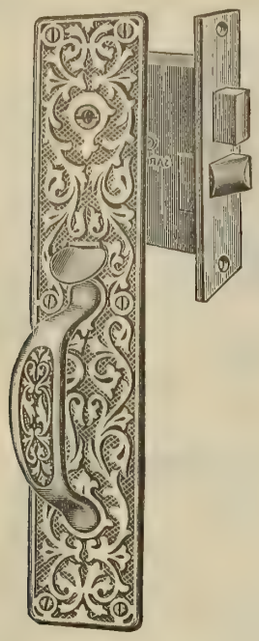
Handled escutcheons for inside and outside.

Specifications:

Escutcheons: 15 x 3 inches with 6¾ inch grip.
Lock: Japanned iron case 5 x 3⅝ x 1 inch; cast brass front 6¾ x 1¼ ins.; cast brass bolts; reversible; easy spring latch; backset 2¾ inches; spacing 4 inches.
Cylinders: One for each side of door; 3 Empire Silver gold plated keys.
Operated by thumb piece and key from either side; average weight per set, 6¼ pounds.

One set in a box, complete.

STORE DOOR LOCK SETS



No. K2403B. List per set 10.00

Bit Key—Double Handles.

Cast Iron—Tokio Bronzed.

Handled Escutcheons for inside and outside.

Specifications:

Escutcheons: Two, 12½ x 2½ inches with offset grips.

Lock: Japanned iron case 3¼ x 3 x ¾ inches; bronzed front 6⅝ x 1⅛ inches; bronzed bolts; reversible; easy spring latch; backset 2 3/16 inches; two nickel plated flat steel keys.

Operated by Thumb piece and key from either side; average weight per set, 4¾ pounds.

One set in a box, complete.

List per set

No. OC.294. Old Copper 12.50

No. BB.294. Bright Brass 12.50

Bit Key—Double Handles

Wrought Steel—Plated.

Handled Escutcheons for inside and outside.

Specifications:

Escutcheons: Two 15 x 3 inches with straight grips 6⅜ inches over all.

Lock: Japanned iron case, 4¼ x 3½ x 1 1/16 inches; cast iron front 6⅝ x 1⅛ ins.; cast iron bolts; reversible; easy spring latch; backset 2¾ inches; 2 nickel plated flat steel keys.

Operated by thumb piece and key from either side; average weight per set, 5 pounds.

One set in a box, complete.

No. BB.293. List per set 16.90

Bit Key—Double Handles.

Wrought Brass—Polished.

Handled Escutcheons for inside and outside.

Specifications.

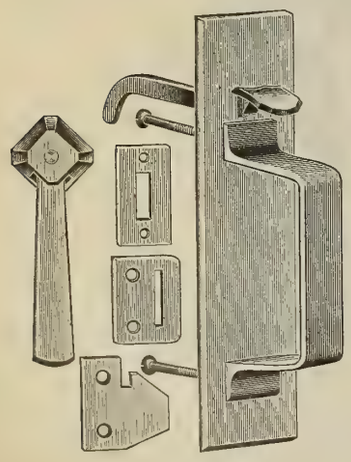
Escutcheons: Two, 15 x 3 inches with straight grips 6⅜ inches over all.

Lock: Japanned iron case, 4¼ x 3½ x 1 1/16 inches; cast brass front 6⅝ x 1⅛ inches; cast brass bolts; reversible; easy spring latch; backset 2¾ inches; 2 nickel plated flat steel keys.

Operated by thumb piece and key from either side; average weight per set, 5 lbs.

One set in a box, complete.

STORE DOOR HANDLES

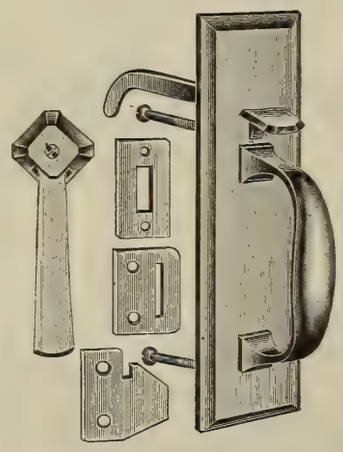


No. OC.06. List per dozen sets 39.60

Cast Iron; Old Copper Finish.

Heavy plate, 9¼ x 2¼ inches; for outside only; straight grip 4 x 1⅛ inches; plate secured by screws from inside; complete with all necessary parts, including screws; average weight per box, 6 lbs.

¼ dozen sets in a box.

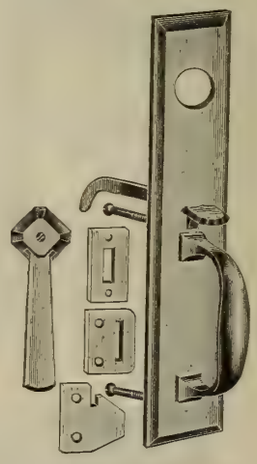


No. O. List per dozen sets 63.20

Solid Bronze, Bright Finish.

Bevelled plate, 9¼ x 2⅝ inches; for outside only; offset grip 4 x 1 inches; plate secured by screws from inside; complete with all necessary parts, including screws; average weight per box, 2 lbs.

1/12 dozen sets in a box.



No. OO. List per dozen sets 69.60

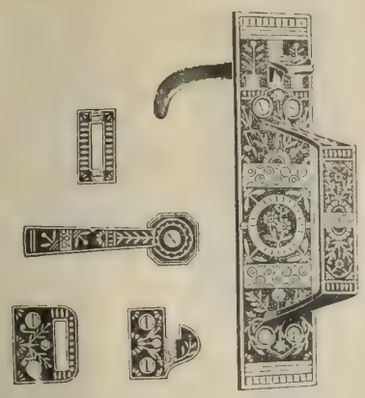
Solid Bronze—Polished.

For use with cylinder rim Night Latches.

Single plate 12¾ x 2½ inches with offset grip; plate secured by screws from inside; for either right or left hand doors complete with all necessary parts including screws. Night Latch not included. Average weight per set 2½ pounds.

1/12 of a dozen sets in a box.

STORE DOOR HANDLES



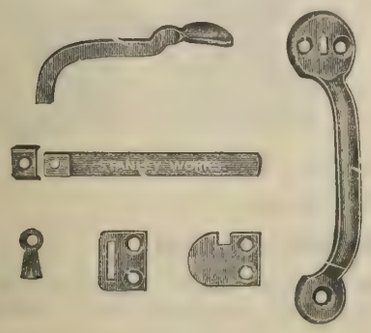
No. 4629. List per dozen sets 22.80

Ornamental cast iron, brown lacquered.

Single plate with offset grip; 8¾ x 2 inches, secured by wood screws from outside; for either right or left hand doors; complete with all necessary parts including screws; average weight per box, 7¼ pounds.

½ dozen sets in a box.

THUMB LATCHES

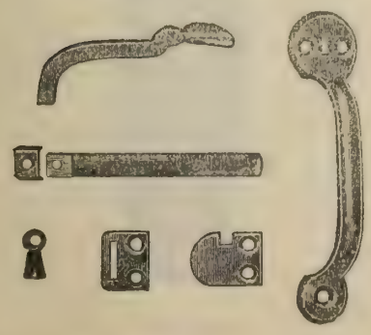


No. 1. List per dozen 4.20

Wrought Steel—Japanned.

Straight handle, without plate; length over all 5½ inches; 3½ inch clearance; for either right or left hand doors; average weight per set, 5 ounces.

1/12 dozen in a box.



No. 2. List per dozen 4.30

Drawn Steel, Japanned.

Straight handle, without plate; length over all, 6⅝ inches; 4 inch clearance; for either right or left hand doors; average weight per set, 6 ounces.

1/12 dozen in a box.

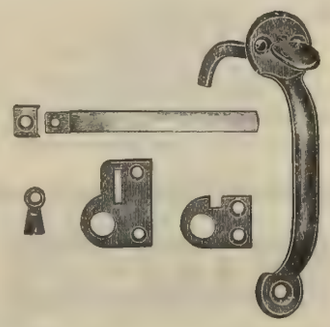
THUMB LATCHES

No. 6. List per dozen 5.20

Cast Iron, Japanned.

Handle, without plate; length over all 7½ inches; four inch clearance; for either right or left hand doors; complete with screws; average weight per dozen, 11½ pounds.

½ dozen sets in a box.

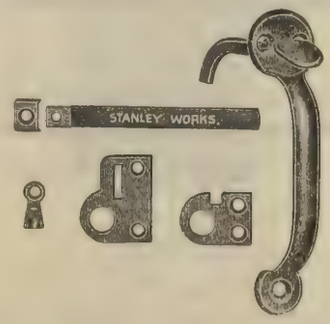


No. 3. List per dozen 5.50

Drawn Steel, Japanned.
For Padlocks.

Straight handle, without plate; length over all 7⅝ inches; 4 inch clearance; keeper and strike punched for padlocks; for either right or left hand doors; average weight per set, 9 ounces.

1/12 dozen in a box.



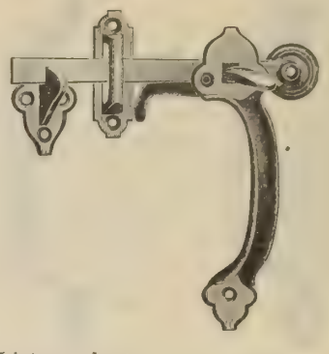
No. 4. List per dozen 8.00

Wrought Steel, Japanned.
For Padlocks.

Straight handle, without plate; length over all 8¾ inches; 5-inch clearance; keeper and strike punched for padlocks; for either right or left hand doors; extra heavy and substantial set; average weight per set, 23 ounces.

1/12 dozen in a box.

BARN DOOR LATCHES

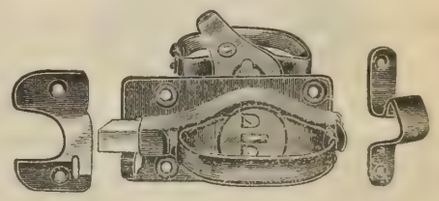


No. 5. List per dozen 6.90

Wrought Steel, Japanned.

Extra Heavy; straight handle, 9¼ inches long; 5-inch clearance; 8¾-inch bar; for right or left hand doors; countersunk, for No. 14 F. H. screws; average weight per box, 8½ pounds.

½ dozen sets in a box.



Whitcomb's Pattern. List per dozen 6.00

Wrought Steel; Japanned.

Plate 5 x 2¾ inches; grip 3½ inches inside; requires No. 9 screws; can be used with padlock; with two keepers for holding door open or closed; average weight per box, 5¼ pounds.

½ dozen sets in a box.

No. 9. List per dozen 12.30

Malleable Iron; Japanned.

Extra heavy; 3½ in. swivel ring handle; 8½-inch iron bar; for right or left hand doors; drilled for No. 10 F. H. screws; average weight per box, 8¼ lbs.

½ dozen sets in a box.

BARN DOOR CATCHES

Gravity.

No. 38. List per dozen 4.00

Cast Iron; Japanned.

3 x 1½ inch plate; opening of hook 1⅛ inch; requires four No. 10 F. H. screws; average weight per box, 7 pounds.

1 dozen in a box.

DOOR PULLS

No. BB.1420.

No. 28 and 25.

No. BB.1420. List per gross 2.50

Bright Brass Finish steel wire, No. 8 gauge; length 4½ inches; requires two No. 9 F. H. screws; average weight per box, 3¼ pounds.

½ gross in a box.

No.	Finish	List per gross
28.	Japanned	7.20
O.C.25.	Old Copper	12.00
DB.25.	Dull Brass	12.00
BB.25.	Bright Brass	12.00

Folded Steel.

Length, 5 inches; width, ½-inch; the metal is folded inward, forming a hollow handle; average weight per box, 2 lbs.

¼ gross in a box, with screws.

No. 504.

No. DB.1480.

No. 504. List per dozen 1.70

Japanned; heavy cast iron; 6 inches long; 3½-inch clearance; grip ⅞-inch wide; requires four No. 10 F. H. screws; average weight per box, 4½ pounds; without screws.

1 dozen in a box.

No. BB.1480. List per dozen 6.00

Cast Brass; Polished.

Length, 4½ inches; clearance 3¾ inches; straight grip; average weight per box, 7 pounds.

3 dozen in a box, with screws.

LETTER BOX PLATES

No.	Finish	List per dozen
OC.500.	Old Copper	9.70
DB.500.	Dull Brass	9.70
BB.500.	Bright Brass	9.70

Wrought Steel plated; 6¾ x 2⅝ inches; cast opening plate, 4½ x 1⅛ inches; with brass coil spring; average weight per box, 2¼ pounds.

½ dozen in a box, with screws.

No. BB.585. List per dozen 14.40

Steel, Bright Brass Finish.

Size: 7 x 2½ inches; plain opening plate 5 x 1⅜ inches with brass coil spring; average weight per box, 3¼ pounds.

½ dozen in a box, with screws.

No. BB.575. List per dozen 20.40

Wrought Brass, Bright Finish.

Size: 7 x 2⅝ inches; cast opening plate 5 x 1⅜ inches with brass spring; average weight per box, 2¾ pounds.

½ dozen in a box, with screws.

LETTER BOX BORDERS

No.	Finish	List per doz.
OC.500½.	Old Copper	5.90
DB.500½.	Dull Brass	5.90
BB.500½.	Bright Brass	5.90

Wrought Steel, Plated.

Inside plate; 7 x 2⅝ inches; bevelled opening 4¾ x 1¼ inches; average weight per box, 2 pounds.

1 dozen in a box, with screws.

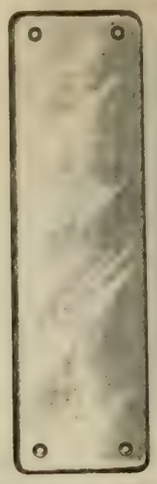
No. BB.575½. List per dozen 7.50

Wrought Brass, Bright Finish.

Inside plate; 7 x 2⅝ inches; bevelled opening 4¾ x 1¼ inches; average weight per box, 2 pounds.

1 dozen in a box, with screws.

PUSH PLATES



No. 450.

No. 400.

No.	Finish	List per doz.
OC.450.	Old Copper	6.50
DB.450.	Dull Brass	6.50
BB.450.	Bright Brass	6.50

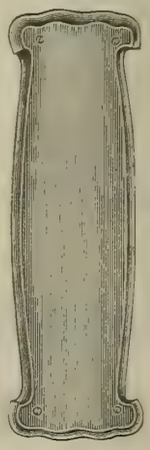
Wrought Steel plated; size 10 x 2¾ ins.; four holes for screws; average weight per box, 1¾ pounds.

½ dozen in a box, with screws.

No.	Finish	List per doz.
OC.400.	Old Copper	6.50
DB.400.	Dull Brass	6.50
BB.400.	Bright Brass	6.50

Wrought Steel, plated; sizes 10 x 3 ins.; $\frac{5}{16}$-inch bevel; four screw holes; average weight per box, 2 pounds.

½ dozen in a box.



No. 485.

No. BB.485. List per dozen 12.40

Wrought Steel; Bright Brass Finish.

Size 10 x 2¾ inches; average weight per box, 3½ pounds.

½ dozen in a box, with screws.

MAIL BOXES

"HANDY."

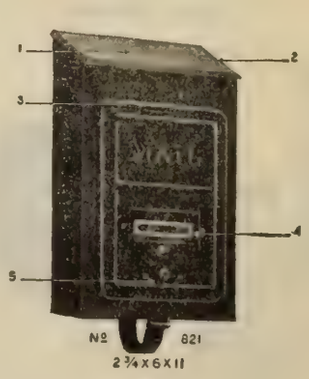
No. 519. List per dozen 13.20

Black Japanned Finish; Water-proof.

Made of 24 gauge sheet steel; one-piece front and bottom, secured to back by double seam; perforated front; hinged rain lid; hinged cover with name card holder; front spring for papers, etc.; invisible spring lock; size 9¾ x 5 x 2 inches; two flat steel keys; average weight per dozen, 12 pounds.

1/12 dozen in a carton.

MAIL BOXES



"ROYAL."

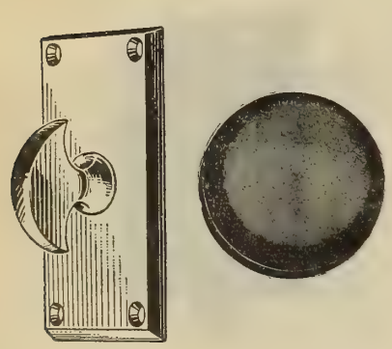
No. 281. List per dozen 27.60

Black Rubberoid Finish.

One-piece constructed of sheet steel; heavy water-proof lid; large strong door hinged on top; glass window; brass name card rack; secure spring lock; strong spring for papers, etc. Size 6 x 11 x 2¾ inches; 2 flat steel keys; average weight per dozen, 35 pounds.

1/12 dozen in a carton.

DOOR BELLS

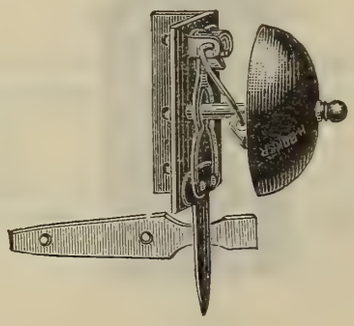


No.	Finish.	List per dozen
No. OC.241.	Old Copper	19.20
No. DB.241.	Dull Brass	19.20
No. BB.241.	Bright Brass	19.20

Stamped Brass.
Rotary Stroke, With Turn Plate.

BELL:—Stamped steel base; bell metal gong 2¾ inches diameter.
PLATE:—3½ x 1⅞ inches; 1⅜ inch "T";3 inch square connecting rod; average weight per dozen, 8¼ pounds.
1/2 dozen in a box, complete.

ALARM DOOR BELLS

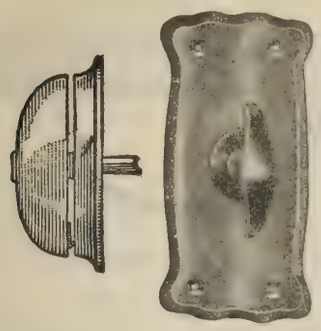


No. 1863. List per dozen 8.80

Natural finish steel; 3 inch diameter gong; 2⅞ x 3½ inch base with 7/8 inch trip lever and draw bar; tempered flat clock spring; rings on opening and closing the door; average weight per dozen, 8 pounds.

1/2 dozen in a package.

DOOR BELLS



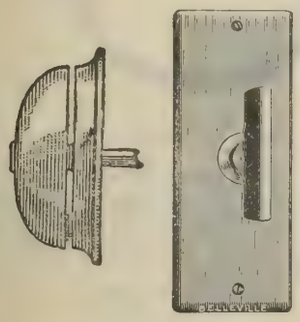
No. BB.685. List per dozen 12.00

Wrought Steel; Bright Brass Finish.
Rotary Stroke with Turn Plate.

Turn: Escutcheon 1⅞ x 3 inches; "T" turn with 1⅞ inch square rod.

Bell: Wrought steel nickel plated, 3 ins. in diameter; average weight per box, 12 ounces.

1/12 dozen sets in a box, complete.



No.	Finish.	List per doz.
OC.650.	Old Copper	12.00
BB.650.	Bright Brass	12.00

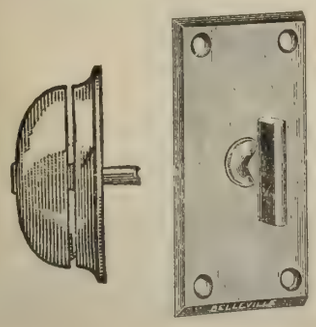
Wrought Steel—Plated.
Rotary Stroke with Turn Plate.

Turn: 1⅛ inch "T"; plate, 3⅝ x 1½ inches; 2¼-inch square rod.

Bell: Wrought gong steel; nickel plated, 3 inches diameter.

Average weight per set, ½ pound.

1/12 dozen sets in a box, complete.



No.	Finish	List per doz.
OC.600.	Old Copper	13.20
DB.600.	Dull Brass	13.20
BB.600.	Bright Brass	13.20

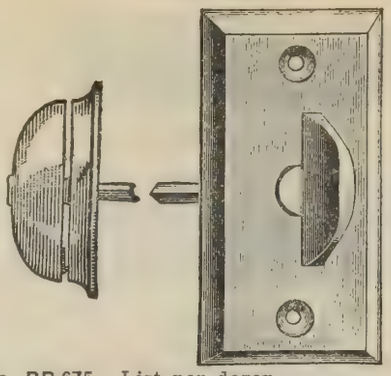
Wrought Steel; Plated.
Rotary Stroke with Turn Plate.

Turn: 1⅛ inch "T"; plate 3½ x 1¾ inches; 2⅜ inch square rod.

Bell: Wrought steel, nickel plated; 3 ins. in diameter; average weight per box, ½ pound.

1/12 dozen sets in a box, complete.

DOOR BELLS



No. BB.675. List per dozen 34.00

Wrought Brass—Bright Finish.
Rotary Stroke with Turn Plate.

Turn: 3¼ x 1¾ inch escutcheon.

Bell: 3 inch diameter, cast bell metal gong; cast iron base; nickel plated; average weight per box, 12 ounces.

1/12 dozen sets in a box, complete.

ELECTRIC PUSH BUTTONS

Without Bell.

No. BB.700. List per dozen 14.40

Wrought Brass, Bright Finish.

Size 3¼ x 1¾ inches; 1 dozen in a box, with screws.

No. BB.785. List per dozen 19.20

Wrought Brass, Bright Finish.

Size 3 x 1⅞ inches; 1 dozen in a box, with screws.

No. BB.775. List per dozen 29.60

Wrought Brass, Bright Finish.

Size 3¼ x 1¾ inches; 1 dozen in a box, with screws.

ELECTRIC DOOR BELLS

"Sovereign."

List per dozen ... 14.40

2½ inch nickel plated gong; japanned, stamped steel base and box; substantial side contact posts; all working parts firmly secured to the base; size over all 2½ x 6½ inches; average weight each, 10 ounces.

1/12 doz. in a carton.

ELECTRICIANS WIRE

1-pound Spools. List each 1.10

18 B. and S. Gauge; insulated by two cotton wrappings saturated in paraffine, in combination of two colors; average number of feet per pound, 155; average weight each, including spool, 1¼ pounds.

Open Stock.

ALARM DOOR BELLS

No. 125.

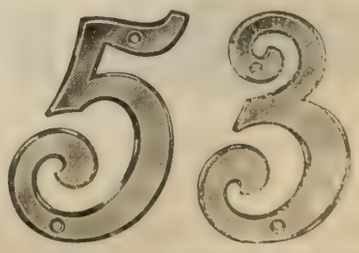
List per dozen 15.60

Single Bell; Bronzed Steel

Gong 4 inches diameter; lacquered trip lever and draw bar; steel coil spring; rings upon opening door; average weight each, 13 ounces.

1/12 dozen in a box.

HOUSE NUMBERS



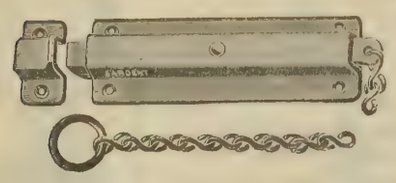
No. BB.210. List per dozen 6.50

Cast Brass—Polished.

3½ inch; bevelled edges; Nos. 0 to 9; each in an envelope with screws; average weight each, 1¼ ounces.

1 dozen in a box.

CHAIN BOLTS



No. DB.2481. Dull Brass Finish.

Length, inches	4	6
List per dozen	13.20	15.60
Width, inches	1¾	2
Chain, inches	19	21
App. wt. doz., lbs.	5¼	9

Wrought Steel, Reversible.

Made of heavy stock, strong, unbreakable; folded steel bolt controlled by coil spring; steel jack chain with ring; supplied with rim and flush strikes; with screws to match.

4-inch, 10/12 dozen in a box.
6-inch, 5/12 dozen in a box.

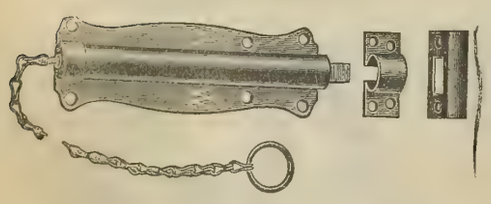
No. OC.2481. Old Copper Finish.

Length, inches	4	6
List per dozen	13.20	15.60
Width, inches	1¾	2
Chain, inches	19	21
App. wt. doz., lbs	5¼	9

Wrought Steel, Reversible.

Made of heavy stock, strong, unbreakable; folded steel bolt controlled by coil spring; steel jack chain with ring; supplied with rim and flush strikes; with screws to match.

4-inch, 10/12 dozen in a box.
6-inch, 5/12 dozen in a box.



No. 1055J. 6-inch. List per dozen 17.60

Wrought Steel; Japanned.

Width of plate, 2 inches; ¾-inch round bolt; chain 24 inches long with 1¼ inch ring; regular bevel bolt; complete with screws, staples and round and angular plate; average weight per box, 6½ lbs.

½ dozen in a box.

FOOT BOLTS

No. OC.2490. Old Copper Finish.

Length, inches	6
List per dozen	14.40
Width, inches	2
App. wt. dozen, lbs.	4

Wrought Steel.

Made of heavy stock, strong, unbreakable; folded steel bolt, controlled by coil spring and locked by automatic catch; flush socket floor plate; with screws to match.

5/12 dozen in a box.

No. DB.2491. Dull Brass Finish.

Length, inches	6
List per dozen	14.40
Width, inches	2
App. wt. dozen, lbs.	4

Wrought Steel.

Made of heavy stock, strong, unbreakable; folded steel bolt, controlled by coil spring and locked by automatic catch; flush socket floor plate; with screws to match.

5/12 dozen in a box.

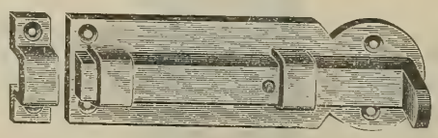
No. 1056J. 6-inch. List per dozen 16.50

Wrought Steel; Japanned.

Plate 5 x 2 inches; cupped floor plate 2⅜ x 1⅜ inches; ⅝ inch bolt; 1-inch stroke; solid bronze cap and release; Stanley Sherardized springs; approximate weight per box, 5 lbs., with screws to match.

½ dozen in a box.

CABINET BOLTS



No. 854. 2 -inch. List per dozen 1.70

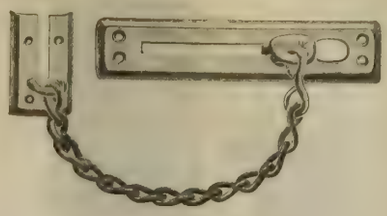
No. 854. 2½-inch. List per dozen 1.90

Solid Brass; Natural Color.

Rivetted plate, ¾-inch wide; flat bolt; with strike plate; neat, strong and well finished; average weight per box, 4¼ lbs.

6 dozen in a box.

CHAIN DOOR FASTENERS



No. DB.5400. List per dozen 8.00

Dull Brass Finish.

Cast iron case, 5⅝ x 1¼ inches, with anchor plate; 8-inch heavy jack chain; with screws to match; approximate weight per carton, 2¼ pounds.

½ dozen in a box.

No. OC.184. List per dozen 24.00

Old Copper Finish.

Cast iron case; 4 x 1⅜ inches; with anchor plate; 6½ inch heavy chain; with screws to match. Average weight per box, 3¾ pounds.

½ dozen in a box.

FLUSH BOLTS

No. OC.144.

6-inch. List per dozen 23.20

9-inch. List per dozen 26.60

Wrought Steel, Old Copper finish.

Plate, 1 inch wide; ⅜-inch square bolt; 1⅜ inch angle; flush thumb slide; with strike plate; with screws to match.

1 dozen in a box.

No. DB.144.

6-inch. List per dozen 23.20

9-inch. List per dozen 26.60

Wrought Steel, Dull Brass finish.

Plate. 1 inch wide; ⅜-inch square bolt; 1⅜ inch angle; flush thumb slide; with strike plate; with screws to match.

1 dozen in a box.

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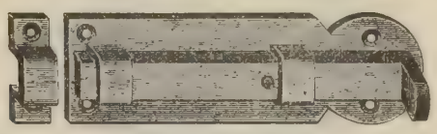
SPRING BOLTS



BOKERS.

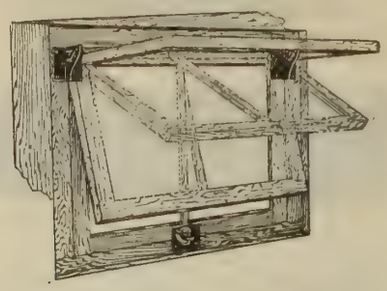
No. 3561; length, ins. ..	2	2½	3
List per dozen	2.00	2.60	3.60
Width, inches	13/16	7/8	1
Weight doz., lbs.	1/2	3/4	1

Wrought Brass, Natural Color.

Rivetted plate, flat bolt with strike plate, well finished.

1 dozen in a package; 3 packages in a box.

CELLAR WINDOW SETS



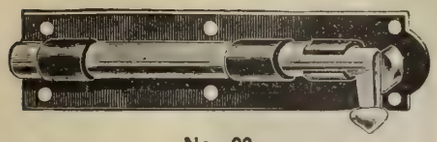
No. 83. List per dozen sets 7.70

Stamped Steel; Black Japanned Finish.

Consists of one pair of hinges, so constructed that three different positions of the window may be obtained, (as illustrated); one patent window fastener which starts the window when unlocking; complete with screws; average weight per dozen sets, 12 pounds.

Each set in a carton.
1 dozen in a box.

TOWER BOLTS



No. 09.

Length inches.	Width inches	Weight doz. lbs.	List per dozen.
3	1¼	2½	..... 3.40
4	1½	4¼	..... 4.40
5	1½	5¼	..... 5.60
6	1⅞	8¼	..... 6.80
8	2	12¼	..... 8.80

Wrought Steel, Japanned.

Bright Bolt; rivetless plate; two-piece staple; solid end; without screws.

1 dozen in a box.

BARREL BOLTS

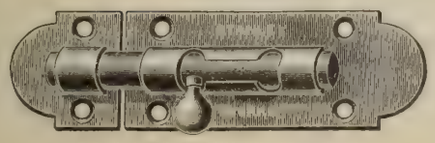
No. 1078.

Length, ins.	2½	3	4	5	6
List per doz.	2.30	2.90	3.20	3.70	4.30
Width, inches	1	1⅛	1⅛	1 5/16	1⅜
Screws, Nos.	4	5	5	7	7
Wt. doz., lbs.	1½	2¼	2¾	4¾	5¼

Light Wrought Steel, Japanned.

Bright bolt; brass plated knob; rivetted plate; without screws.

1 dozen in a box.



No. N.P.406.

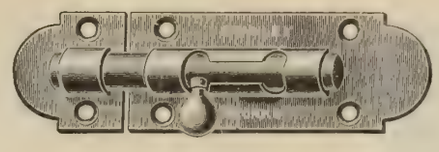
2½-inch. List per dozen 3.60

Nickel Plated Finish.

Light wrought steel; rivetted plate; width 1 inch; with screws; average weight per dozen, 1½ pounds.

1 dozen in a box.

BARREL BOLTS



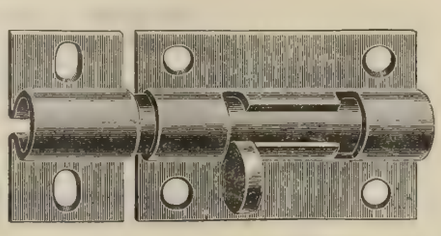
No. BB.406.

Length, inches	2½	3	4
List per dozen	3.60	4.80	5.00
Width, inches	1	1⅛	1⅛
Wt. dozen, lbs.	1¼	2½	3

Bright Brass Finish.

Light wrought steel; plated; rivetted plate and staple; with screws to match.

1 dozen in a box.

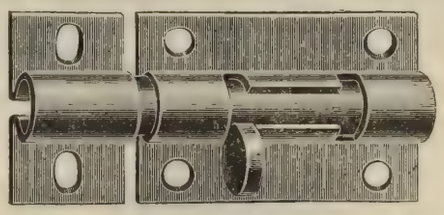


No. DB.5053. 3-inch. List per dozen 5.30

Dull Brass Finish.

Wrought steel plate 2½ x 1⅜ inches; cast bolt 5/16 inch; flat knob; stamped plate and keeper; average weight per box, 1¾ pounds; with screws to match.

1 dozen in a box.



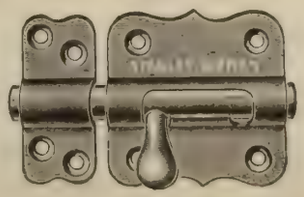
No. DB.5054. 4-inch. List per dozen 6.00

Dull Brass Finish.

Wrought steel stamped plate 2⅞ x 2½ inches; cast bolt 5/16 inch; flat knob; stamped keeper; with screws to match; average weight per box, 2¼ pounds.

1 dozen in a box.

CELLAR WINDOW BOLTS



No. 1076.

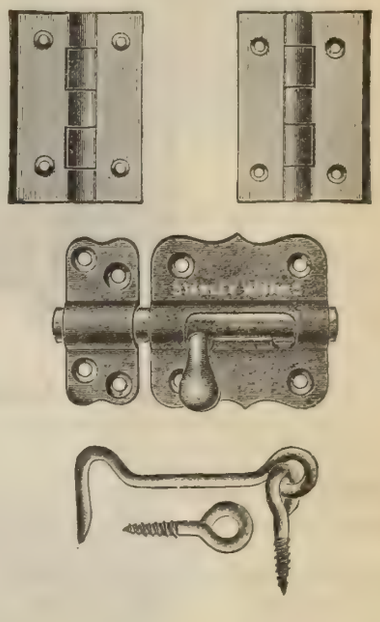
2½-inch. List per dozen 2.60

Wrought Steel—Japanned.

1⅜ inch wide; bright bolt and knob; common staple; takes No. 6 F. H. screws; average weight per box, 1¾ pounds.

1 dozen in a box.

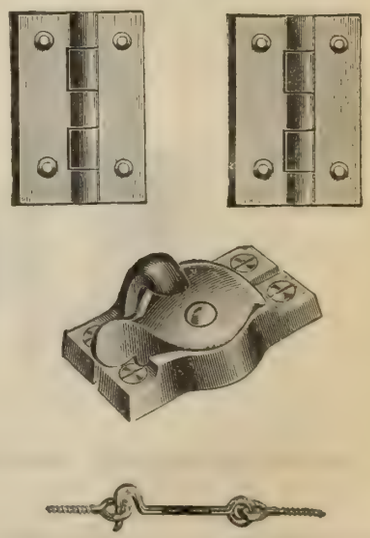
CELLAR WINDOW SETS



No. 070. List per dozen sets 8.00

Set consists of: One pair 2½ inch wrought narrow butts; one 2½ inch blued hook and eye; one 2 inch cellar window bolt with japanned plate and bright bolt; average weight per set, ½ pound.

1 set in a box.



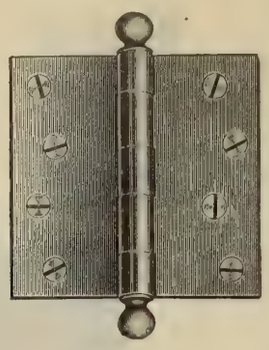
No. 70. List per dozen sets 8.00

Galvanized.

Set consists of: 1 pair 2½ inch wrought narrow butts; one 2½-inch hook and eye and one sash lock; complete with screws; lock is extra heavy and the tension spring holds the handle in proper position; average weight per set, ½ pound.

1 set in a box.

LOOSE PIN BUTTS



WROUGHT STEEL; PLANISHED, BALL TIPS.

No. OC.241. Old Copper Finish

Size open, inches	2½x2½	3x3	3½x3½	4x4	4½x4½
List per dozen pairs	10.40	10.80	11.20	13.70	20.40
Wt. per pair, lbs.	½	¾	1⅜	1¾	2¼

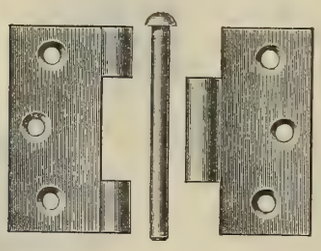
No. DB.241. Dull Brass Finish.

Size open, inches	3x3	3½x3½	4x4
List per dozen pairs	10.80	11.20	13.70
Wt. per pair, lbs.	¾	1⅜	1¾

No. BB.241. Bright Brass Finish

Size open, inches	3x3	3½x3½	4x4
List per dozen pairs	10.80	11.20	13.70
Wt. per pair, lbs.	¾	1⅜	1¾

All sizes packed one pair in a box, complete with plated screws to match.

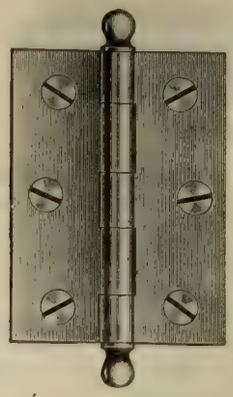


BROAD REVERSIBLE; WROUGHT STEEL; BRIGHT.

No. 804—inches	2x2	2½x2½	3x3	3½x3½	4x4	4½x4½
List dozen pairs	2.10	2.50	3.54	5.20	6.30	8.10
Screw size, No.	7	8	9	10	10	11
No. of screws, pr.	8	12	12	12	16	16
Wt. doz. pairs, lbs.	3⅛	5	7¼	11	15	21

3 x 3 inches and smaller, one dozen pairs in a box.
Larger sizes, ½ dozen pairs in a box.
3 x 3 inches and larger, have five knuckles in the joint.
Smaller sizes, three.

LOOSE PIN BUTTS



WROUGHT STEEL; LIGHT NARROW; PLANISHED; BALL TIPS.

No. OC.295. Old Copper Finish.

Length, inches	2	2½
List per dozen pairs	6.00	6.90
Width open, inches	1 9/16	1 11/16
Weight dozen pairs, lbs.	2¼	3

No. DB.295. Dull Brass Finish.

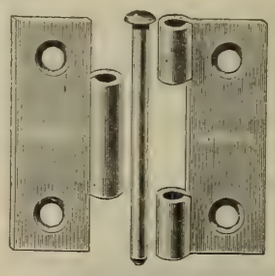
Length, inches	2	2½
List per dozen pairs	6.00	6.90
Width open, inches	1 9/16	1 11/16
Weight dozen pairs, lbs.	2¼	3

No. BB.295. Bright Brass Finish.

Length, inches	2	2½
List per dozen pairs	6.00	6.90
Width open, inches	1 9/16	1 11/16
Weight dozen pairs, lbs.	2¼	3

For wardrobe, cupboard and other light doors; butts and necessary screws are wrapped separately; in strong anti-tarnish tissue.

½ dozen pairs in a box, with screws.



WROUGHT STEEL; LIGHT; NARROW; BRIGHT.

No. 840.

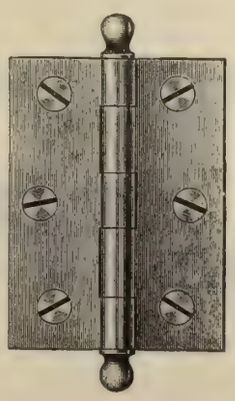
Length, inches	1½	2	2¼	2½	3
List dozen pairs	1.34	1.60	1.84	2.14	2.60
Width open, inches	1 7/16	1 9/16	1 11/16	1 11/16	2
Screw size, Nos.	5	6	6	6	7
No. of Screws for pair	8	8	12	12	12
Wt. doz. pairs, lbs.	1	1¾	2	2½	4

3-inch and larger have five knuckles in the joint; smaller sizes, three.

1 dozen pairs in a box, without screws.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

LOOSE PIN BUTTS



No. N.P. 295. Nickel Plated.

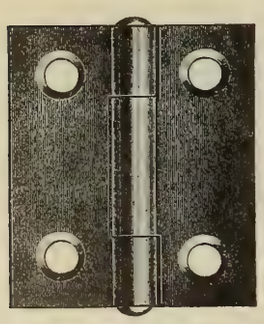
Length, inches	2½	3
List per dozen pairs	7.20	10.00
Width open, ins.	1 11/16	1 15/16
Av. weight dozen pairs, lbs.	3	4½

Wrought Steel; Light Narrow; Planished; Ball Tip.

For wardrobe, cupboard and other light doors; with plated screws to match.

1 dozen pairs in a box.

FAST JOINT BUTTS



Bright Wrought Steel, Narrow

No. 800 x 4 inch. List per dozen pairs **4.30**

Width open 2⅞ inches; 8 screw holes to each butt; countersunk for No. 10 screws; 5 knuckles in the joint; average weight per dozen pairs, 9½ pounds.

½ dozen pairs in a box.

FRICTION TOILET HINGES

No. 1720. List per dozen pairs **2.40**

Coppered wrought iron; 2 inches wide; straps 7/8 to 1⅞ inches; four screws required for each hinge; the friction is regulated by the screws which secure the hinges; average weight per dozen pairs, 3½ pounds.

3 dozen pairs in a box.

HALF SURFACE BUTTS

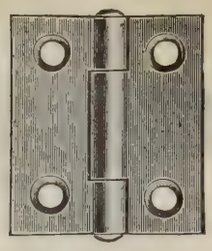
Nos.	**OC.160x3**	**DB.160x3½**
List dozen pairs	**10.80**	**12.00**
Finish	Old Copper	Dull Brass
Length, inches	3	3½
Full width, inches ..	3¾	4¼
App. wt. doz. prs., lbs.	12	16

Offset; Ornamental; Ball Tipped.

Wrought steel; planished and plated; ornamental surface leaf; plain mortise leaf; may be made either right or left hand by reversing ball tip.

1/12 dozen pairs in a box, with screws.

FAST JOINT BUTTS



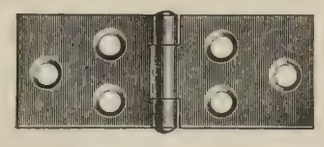
Bright Wrought Steel, Light Narrow

No. 838. Length, inches ..	1	1¼	1½	2	2½	3
List per dozen pairs	.64	.74	.96	1.34	1.64	2.16
Width, inches	1	1 1/16	1 7/16	1 9/16	1 11/16	2
Screw holes, in pair	8	8	8	8	12	12
Screw size, Nos.	3	4	5	6	6	7
Weight doz. pairs, lbs.	½	⅝	⅞	1¾	2¼	3¾

3 inch and larger have five knuckles in the joint; the smaller sizes, three.

3 dozen pairs in a box, without screws.

BACK FLAP HINGES

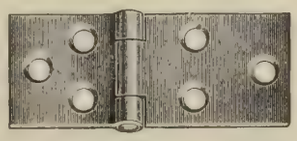


Bright Wrought Steel; Fast Joint.

No. 814. Inches	1	1¼	1½	2
List per dozen pairs	1.30	1.56	1.80	2.40
Width open, inches	2⅞	3 3/16	3 7/16	4⅜
Screw size, Nos.	6	7	8	8
Screw holes, in pair	12	12	12	12
Weight per doz. pairs, lbs.	1½	2⅛	2¾	5½

1 dozen pairs in a box, without screws.

TABLE HINGES

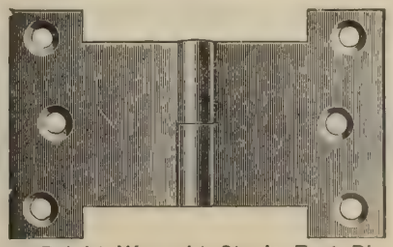


Bright Wrought Steel; fast flush rivet joint.

No. 810. Inches	1⅛	1¼	1½
List per dozen pairs	1.30	1.40	1.70
Width open, inches	2¾	2⅞	3⅛
Screw size, Nos.	6	7	8
Screw holes, in pair	6	6	6
Weight per dozen pairs, lbs.	1¾	2	2½

1 dozen pairs in a box, without screws.

PARLIAMENT BUTTS

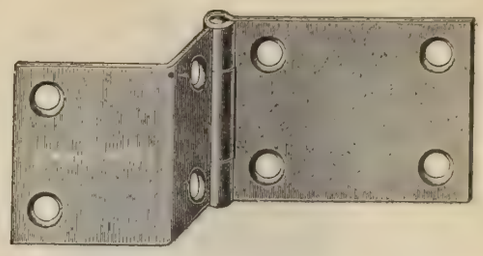


Bright Wrought Steel; Fast Pin.

Width open, inches	4	4½	5	6
No. 830R—Right Hand.				
List per dozen pairs	7.00	8.80	9.60	12.00
No. 830L—Left Hand.				
List per dozen pairs	7.00	8.80	9.60	12.00
Length of sides, inches	2 7/16	2 7/16	2 7/16	2 11/16
Length of joint, inches	1¾	1¾	1¾	2
Between flanges, inches	2 7/16	2⅞	3⅜	4 3/16
Screw size, No.	9	9	9	10
Weight dozen pairs, pounds	6	7¼	10½	12

6-inch, ½ dozen pairs in a box.
Other sizes, 1 dozen pairs in a box.
Without screws.

CHEST HINGES



Bright Wrought Steel; Short Leaf; Fast Pin.

No. 820. Inches	1½	2
List per dozen pairs	2.40	3.40
Width open, inches	3¼	3¾
For wood, inch.	¾	⅞
Size of screws, No.	8	9
No. of screws; for pair	16	16
Weight dozen pairs, pounds	3½	5

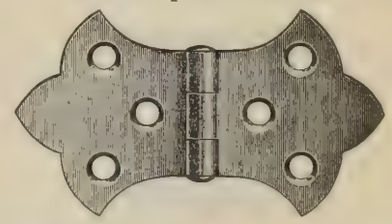
¼ of a dozen pairs in a bundle.

SURFACE HINGES

No.	Finish	Material	List per dozen pairs
OC.1431.	Old Copper	Steel	5.00
BB.1431.	Bright Brass	"	5.00
OC.1430.	Old Copper	Brass	9.00
BB.1430.	Bright Brass	"	9.00

Wrought; ornamental. Butterfly pattern; length of joint 1¼ inches; extreme length 1⅝ inches; width when open 3 inches; average weight per dozen, 2 pounds; with screws to match.

1 dozen pairs in a box.



No.	Finish	List per dozen pairs
OC.1490.	Old Copper	3.40
DB.1490.	Dull Brass	3.40
BB.1490.	Bright Brass	3.40

Wrought Steel; "Clover Leaf" Pattern; Length of joint 1 1/16 inch; extreme length 1¾ inches; extreme width when open 3 inches; average weight per dozen, 1½ pounds.

1 dozen pairs in a box, with screws.

No.	76	75
List per dozen pairs	3.20	5.40
Length of joint, inches	11/16	1 1/16
Length over all, inches	1 5/16	1¾
Width, open, inches	2¼	3⅛
Screw size, No.	3	6
Weight per dozen pairs, ounces	9	21

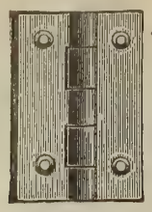
Wrought Brass, Polished.

"Clover Leaf" pattern; fast pin; without screws.

3 dozen pairs in a box.

WROUGHT BRASS BUTTS

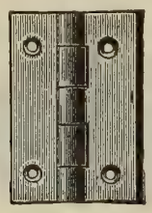
Fast Joint; Steel Pin.



1-inch.

NARROW

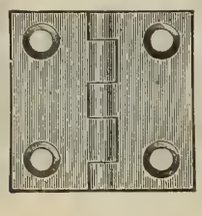
Length, ins. ..	½	¾	1	1¼	1½	2	2¼	2½	3
List doz. pairs.	.68	.80	.88	1.28	1.48	2.24	3.12	4.00	7.20
Width open, ins.	½	11/16	¾	25/32	⅞	1	1 7/32	45/32	1⅝
Screw size, No..	0	2	2	3	4	5	5	6	8
Doz. prs. in box.	6	6	6	6	6	6	3	1	1
Wt. doz. prs., ozs.	1	3	5	7	8	15	21	28	46



1-inch.

MIDDLE

Length, inches	¾	1¼	1½	2	2¼	2½
List dozen pairs	1.04	1.36	1.68	2.60	3.60	4.80
Width open, inches	¾	⅞	1	1 3/16	1 11/32	1 9/16
Screw size, No.	2	4	4	5	5	6
Dozen pairs in box	6	1	1	1	1	1
Weight dozen pairs, ozs. ...	3	7	9	17	23	31

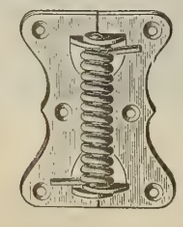


1-inch.

BROAD

Length, inches	1	3
List dozen pairs	1.12	10.00
Width open, inches	1	1 29/32
Screw size, No.	3	8
Dozen pairs in a box	1	1
Weight dozen pairs, ozs.	5½	54

SHOW CASE HINGES



No. BB.161½. List per dozen pairs 7.50

Wrought Steel; Bright Brass Finish.

Two inches long; 1⅝ inches wide; with steel wire coil spring; countersunk for No. 6 F. H. screws. Average weight per dozen pairs, 2 pounds.

1 dozen pairs in a box.

LIGHT STRAP HINGES

Plain Wrought Steel.

Length of each Leaf, inches.	3	4	5	6	8	10
List per dozen pairs	1.70	2.00	2.36	2.86	4.20	5.90
Width at joint, inches	1⅛	1⅛	1 5/16	1 9/16	1⅞	2 1/16
Screw holes, in pair	12	12	16	16	16	16
Screw size, Nos.	6	7	8	9	10	10
App. wt. doz. prs. lbs.	2¼	3	5	9	11	14

¼ dozen pairs wired in a bundle; without screws.

MEDIUM STRAP HINGES

Plain Wrought Steel.

Length of each Leaf, inches	4	5	6
List per dozen pairs	3.30	4.20	4.70
Width at joint, inches	1 9/16	1 11/16	2½
Screw holes, in pair	12	16	16
Screw size, No.	9	10	12
App. weight doz. pairs, lbs.	6	11	17

¼ dozen pairs wired in a bundle; without screws.

HEAVY STRAP HINGES

Plain Wrought Steel.

Length, each Leaf, ins.	4	5	6	8	10	12	14
List per doz. pairs..	3.70	4.60	5.00	6.70	11.90	14.80	16.90
Width at joint, ins. ..	2¾	2¾	2¾	3¼	4½	4½	4½
Screw holes, in pair.	12	16	16	16	16	20	20
Screw size, No.	11	11	11	12	14	16	16
Ap. wt. doz. prs., lbs..	16	20	23	33	60	70	75

¼ dozen pairs wired in a bundle; without screws.

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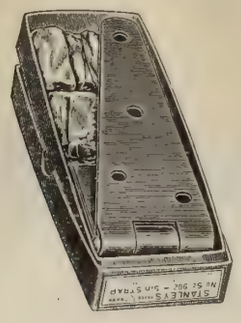
STRAP HINGES IN BOXES



LIGHT STRAP HINGES

No. SC-900—Length, inches	3	4	5	6	8
List per dozen pairs	2.90	3.40	4.20	5.60	7.20
Width at joint, inches	1⅛	1⅛	1⅜	1⅝	1¾
App. wt. doz., lbs.	3	4¼	6	8¾	2¾

Plain wrought steel; the lengths above are the lengths of each leaf.

1/12 dozen pairs in a box, with screws.

HEAVY STRAP HINGES

No. SC-209—Length, ins.	4	5	6	8	10	12
List per dozen pairs.	4.20	5.50	6.40	9.30	14.80	.20.00
Width at joint, ins...	1½	1¾	2⅜	2⅞	4⅜	4½
App. wt. doz., lbs.....	7½	12	19½	34½	72	87½

Plain wrought steel; the above lengths are the lengths of each leaf.

1/12 dozen pairs in a box, with screws.

T HINGES IN BOXES

LIGHT "T" HINGES

No. SC-904—Length, inches	3	4	5	6	8
List per dozen pairs	2.90	3.50	4.10	5.10	6.50
Length of joint, inches	2⅛	2¾	3	3¼	4
Width of strap, ins.	1	1	1¼	1¾	1¾
App. wt. doz., lbs.	3¾	4½	6	8¾	12

Plain wrought steel; lengths given above are the lengths of the strap.

1/12 dozen pairs in a box, with screws.

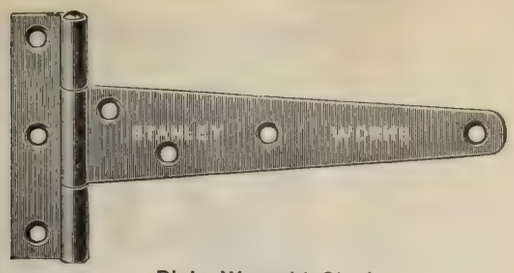
HEAVY "T" HINGES

No. SC-609—Length, ins.	4	5	6	8	10	12
List per dozen pairs..	4.40	5.10	6.00	7.20	14.00	17.40
Length of joint, ins...	3½	4	4	4½	6	7½
Width of strap, inches	1½	1⅞	1⅞	2⅛	3	4¼
App. wt. doz. prs., lbs.	13	16½	18	27	50	70

Plain wrought steel; lengths given above are the lengths of the strap.

1/12 dozen pairs in a box, with screws.

LIGHT "T" HINGES



Plain Wrought Steel.

Length strap, inches	3	4	5	6	8
List per dozen pairs	1.70	1.84	2.20	1.52	3.00
Length of joint, inches	2½	2¾	3	3½	4
Width of strap, inches	1 1/16	1 1/16	1 3/16	1¼	1 9/16
Screw size, Nos.	7	[illegible]	8	8	9
App. weight doz. pairs, lbs.	2¾	3½	4¾	7¾	9½

¼ dozen pairs wired in a bundle; without screws.

MEDIUM "T" HINGES

Plain Wrought Steel

Length strap, inches	4	5	6
List per dozen pairs	3.00	3.70	4.20
Length of joint, inches	3½	4	4
Width of strap, inches	1 7/16	1⅝	1¾
Screw size, Nos.	9	9	11
App. weight doz. pairs, lbs.	8	14	18

¼ dozen pairs wired in a bundle; without screws.

HEAVY "T" HINGES

Plain Wrought Steel

Length strap, inches.	4	5	6	8	10	12	14
List doz. pairs	3.20	4.00	4.50	5.10	9.00	14.40	15.70
Length of joint, ins.	3½	4	4	4½	6	7½	7½
Width of strap, ins.	1½	1⅞	1⅞	2⅛	2¾	4⅜	4⅜
Screw size, Nos.	12	12	12	14	14	16	17
App. wt. doz. prs. lbs.	13	16½	19	23	42	65	75

¼ dozen pairs wired in a bundle; without screws.

CORRUGATED HEAVY STRAP HINGES

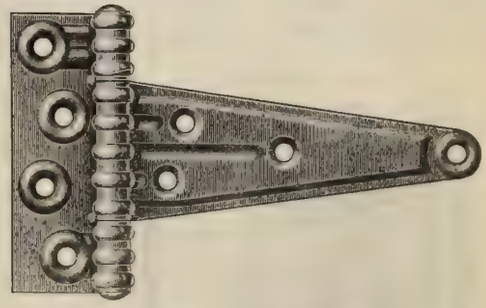
No. 935. Plain Wrought Steel.

Length each leaf, inches	4	5	6	8	10	12
List per dozen pairs	3.50	4.60	6.00	9.40	14.00	21.70
Width at joint, inches	1 9/16	1 13/16	2½	3	3 7/16	4
Screw size, Nos.	9	10	11	12	14	16
App. Wt. doz. pairs, lbs.	5¼	8¼	15	25	37½	60

These hinges have many points of superiority over the old style; the corrugations give increased strength and prevent the pin binding.

¼ of a dozen pairs wired in a bundle, without screws.

CORRUGATED EXTRA HEAVY "T" HINGES



No. 937. Plain Wrought Steel.

Length strap, inches	4	5	6	8	10
List per dozen pairs	4.30	5.90	6.60	11.30	17.00
Length of joint, inches	3½	4	4½	5½	7
Width of strap, inches	1⅝	1⅞	2 5/16	2⅝	3⅛
Screw size, Nos.	10	10	11	13	14
App. Wt. doz. pairs, lbs.	6½	10½	17	27	40

These hinges have many points of superiority over the old style; the corrugations give increased strength and prevent the pin binding.

¼ of a dozen pairs wired in a bundle, without screws.

SCREW HOOK AND STRAP HINGES

Length, inches	6	8	10	12	15	18	20	22	24
List doz. pairs	7.28	8.16	10.88	11.90	12.74	18.70	21.08	23.12	27.20
Machine bolt size	5/16	⅜	⅜	5/16	5/16	⅜	⅜	⅜	⅜
Carriage bolt size				7/16	7/16	7/16	7/16	7/16	7/16
App. wt. doz. pairs	37	40	48	60	74	95	132	145	150

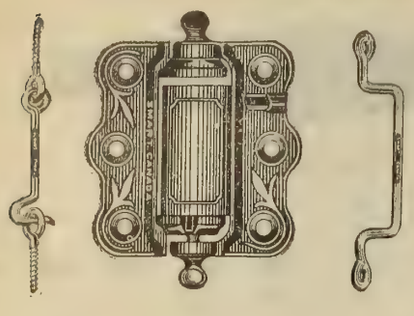
Made with wrought steel strap and forged hook with coach screw thread.

EXTRA HOOKS FOR SCREW HOOK AND STRAP HINGES

⅝-inch.	List per lb.	.22
¾-inch.	List per lb.	.21½
⅞-inch.	List per lb.	.21

Forged; with coach screw thread.

SCREEN DOOR FIXTURES



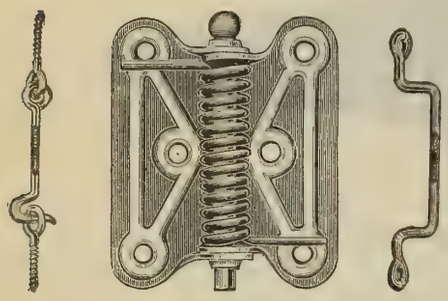
No. 1200. List per dozen sets 8.00

Japanned; Hold-back.

1 pair hinges; cast iron ball tip; single acting; covered steel coil spring; size 3 x 3 inches.

1 door pull; cast iron 4¼ inches long; 2¾ inches clearance.
1 gate hook and eye; bright steel 2½-inch; complete with screws; average weight per set, 1¼ pounds.

1 set in a box.



No. 144. List per dozen sets 9.00

Japanned—Loose Pin.

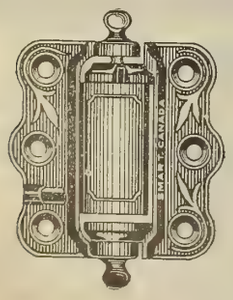
1 Pair Hinges, size 2½ x 3 inches; corrugated steel leaves; tempered steel coil spring; galvanized ball tip steel pin.

1 Door Pull; cast iron, 4½ inches long.

1 Gate Hook and Eye; 2½ inch, bright steel; complete with screws; average weight per set, ⅞ pound.

1 set in a box.

SCREEN DOOR SPRING HINGES



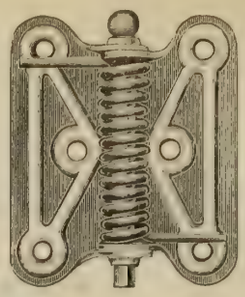
No. 200. List per dozen pairs 5.30

Japanned; hold-back.

Cast iron; ball tip; arcade pattern; single acting; covered steel coil spring; takes No. 9 F. H. screws; size of plate 3 x 3 inches; average weight per dozen pairs, 11 lbs.

½ dozen pairs in a box.

SCREEN DOOR SPRING HINGES

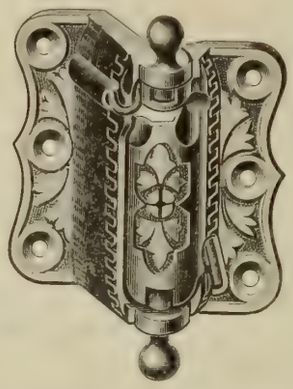


No. 44. List per dozen pairs 6.30

Japanned; loose Pin.

Cold rolled corrugated steel leaves; tempered steel coil spring; galvanized ball tip steel pin; non-hold-back; with gauge lugs; size 2½ x 3 inches; takes No. 7 F. H. screws; average weight per dozen pairs, 6¼ lbs.

1 dozen pairs in a box.

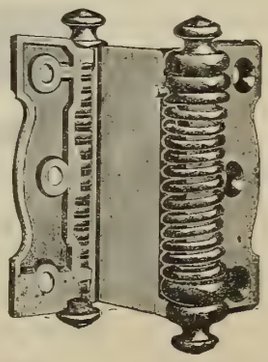


No. 192. List per dozen pairs 6.80

Off-set; Hold-back.

Japanned cast iron; tempered steel coil spring; 1 inch off-set; for light doors not over ⅞-inch thick; length 3 inches; take No. 9 F. H. screws; average weight per dozen pairs, 15 pounds; without screws.

½ dozen pairs in a box.



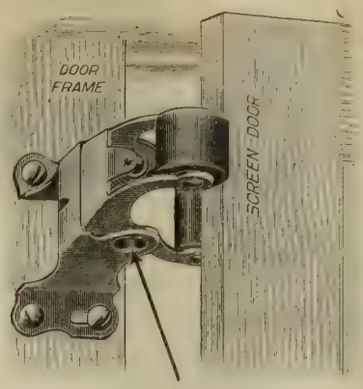
No. 50. List per dozen pairs 14.50

Double-acting

Japanned cast iron; tempered steel spiral coil springs; for light doors up to 1⅛-inch wide; length 3 inches; takes No. 10 F. H. screws; average weight per dozen pairs, 19 pounds; without screws.

½ dozen pairs in a box.

SCREEN DOOR CATCHES

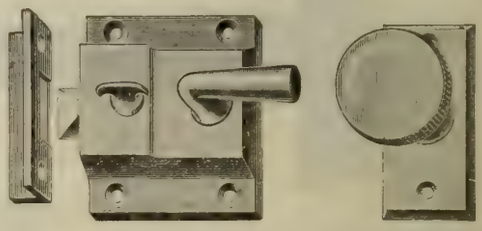


"Marvel". List per dozen 3.60

Automatic

Japanned steel lever frame with rubber rollers; tempered steel coil spring; for doors up to 1¼ inches wide; closing the door trips the catch, forcing the door closed; catch is released with the opening of the door; average weight per doz. 2 pounds; with screws.

1 dozen in a box.



Strike For Inside For Outside

No. Y6555. List per gross 32.40

Bronze Plated; Polished.
Lever Handle.

Cast iron; 2¼ x 1⅞ inch case; 2⅛ x 1 inch escutcheon; triangular bolt; reverse bevel; 1⅜-inch knob with solid spindle; 1¼-inch lever handle; for doors ⅞ to 1¼ inches thick; average weight per dozen, 7 pounds; with screws to match.

1/24 gross in a box.

Strike For Inside For Outside

No. T6440A. List per dozen 12.20

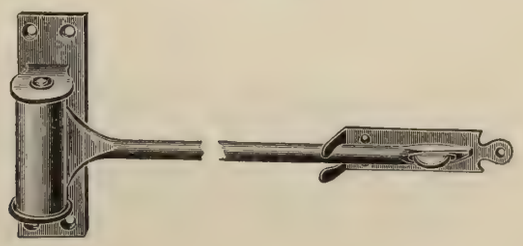
Tuscan Bronzed

Ornamental cast iron; brown lacquered; 2¼ x 1⅞ inch case; 2⅛ x 1 inch escutcheon; triangular bolt; reverse bevel; 1⅜ inch knobs with ¼ inch spindle; for doors ⅞ to 1⅜ inch; average weight per dozen, 8 pounds; with screws to match.

½ dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

TAIL DOOR SPRINGS



No. C-3381. List per dozen 24.00

Black Japanned Finish.

18 inch steel rod, 7/16 inch diameter with brass running wheel; flat steel spring 2 inches wide; base 6 x 2 inches, drilled with four holes; running plate 5½ inches long, with guide; average weight per dozen, 24 pounds.

1/4 dozen in a package.

DOOR SPRINGS

"PERFECTION"

No.	1	2	3	4
List per gross ...	18.00	20.50	22.80	25.20
Wire, No.	19	19	17½	16½
Diam., inches ...	17/64	19/64	11/32	3/8
Length, inches	16¾	16¾	16¾	16¾
App. wt. doz., lbs.	1½	1¾	2¼	2¾

No. 1 for light screen doors.

Nos. 2, 3, 4 for ordinary doors.

Looped ends; Japanned.

A closely coiled wire spring of best steel wire; oil tempered; effective and easily applied; with screw hooks.

1/12 gross in a box.

"VICTOR"

Coppered Finish

No. 170. List per dozen 4.70

For light Screen Doors; 9 inches long; ¾-inch diameter; takes No. 8 F. H. screws; average weight per dozen, 5¼ pounds.

No. 171. List per dozen 5.70

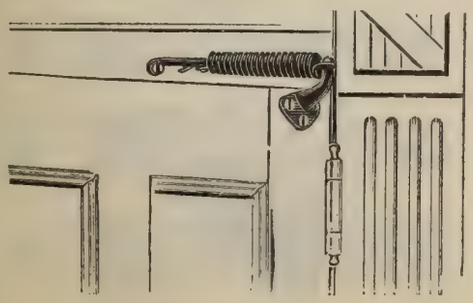
For heavy Screen and light doors; 10 inches long; $\frac{13}{16}$-inch diameter. Takes No. 8 F. H. screws; average weight per dozen, 6 pounds.

No. 172. List per dozen 7.00

For medium doors; 11 inches long; $\frac{13}{16}$-inch diameter; takes No. 12 F. H. screws; average weight per dozen, 9½ pounds.

Malleable iron brackets; tempered steel coil spring; adjustable tension; without screws; with tension rod.

1 dozen in a box.



"PHOENIX"

No. 2. List per dozen 7.00

Japanned; malleable iron bracket; 12 gauge coiled wire spring with looped ends, 5½ inches long; ⅞-inch diameter; hooked rod runs through spring and is notched to adjust tension; average weight per set, ¾ pound.

1 dozen in a box.

DOOR SPRINGS

"TORREY"

No. 2. List per dozen 9.60

38-inch rod.

Japanned; malleable iron fixtures; $\frac{3}{16}$-inch spring steel rod 38 inches long; ratchet tension adjustment; adjusting wrench with each set; with screws; average weight per dozen, 7½ pounds.

1 dozen in a box.

"RELIANCE"

Ratchet Tension Adjustment

No. 270, Light. List per dozen 6.30

For light doors; length 6 inches; diameter ⅞ inches; takes No. 10 F. H. screws; average weight per dozen, 5 pounds.

No. 270, Medium. List per dozen 8.40

For medium doors; length 7 inches; diameter 1 inch; takes No. 12 F. H. screws; average weight per dozen, 11 pounds.

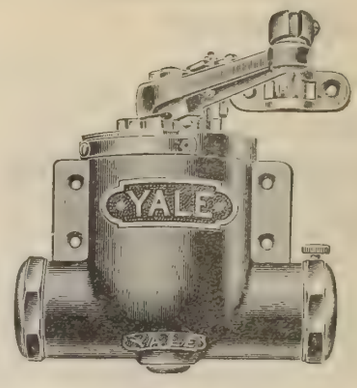
No. 270, Heavy. List per dozen 12.80

For heavy doors; length 9½ inches; diameter 1⅛ inches; takes No. 12 F. H. screws; average weight per dozen, 21 pounds.

Japanned Finish; malleable iron brackets; tempered steel coil spring; made in an unusually substantial manner; the spring is powerful and efficient; the ratchet tension adjustment retains the tension as it is applied; without screws.

1 dozen in a box.

DOOR CLOSERS



"YALE"

For Right or Left Hand Doors

No. 73. List each 21.00

For inside doors of medium size; average weight each, 12 pounds.

No. 74. List each 25.00

For heavy inside and ordinary outside doors; average weight each, 13 pounds.

Gold Bronzed Finish.

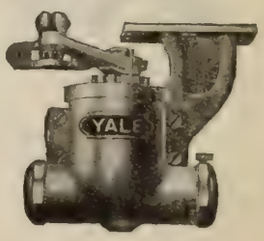
This Door Closer combines a powerful coil spring (which furnishes the motive power to close the door) and a metallic piston moving in a metallic cylinder against a non-freezing liquid (which furnishes the checking power.)

A simple regulating valve enables these two powers to be so adjusted relatively to each other, as to give any desired action to the door whereby it will always be positively closed, but under control which prevents slamming.

Heavy cast cylinder and turret; malleable iron arms and bracket; forged steel spindle and interior cranks; heavy clock spring steel coil; equipped with improved spring chamber and spring driver, which allows the closer to be applied to doors of either hand without moving the top cap.

1 in a wooden box.

SOFFIT BRACKETS



For "Yale" Door Closers

Reversible

No. 3. List each 2.00

For No. 73 Door Closer.

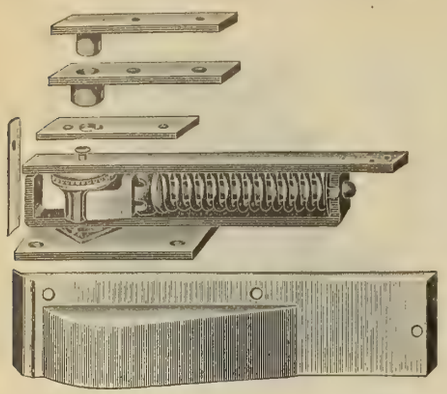
No. 4. List each 2.40

For No. 74 Door Closer.

Gold Bronzed Finish.

The use of this bracket enables a check to be placed in the limited space between doors; the closing power of a check so applied is not equal, however, to that of a check regularly applied and therefore with heavy doors an auxiliary spring should be used.

SURFACE SPRING FLOOR HINGES



No.	Finish	List per set
OC.3171.	Old Copper	3.70
DB.3281.	Dull Brass	3.70
BB.3111.	Bright Brass	3.70

Planished Wrought Steel Plates.
Double Acting, Ball-Bearing Hold-back.

For Doors 1⅛ to 1½ inches thick.

Forged steel case, spring, post and pivots; high grade tempered steel, compression coil spring; hardened steel balls and raceway; floor plate 3 x 4 inches; side plates 9 x 2¼ inches; each set complete with screws; average weight per set, 3½ pounds.

These hinges require no holes to be cut in the floor, as the floor plate of the hinge is screwed to the surface and does not interfere with beams or girders below the floor. These hinges are easily applied, save labor and admit of close fitting. The tension of the spring can be adjusted without disturbing the door.

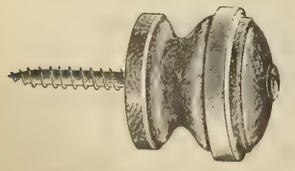
DOOR STOPS

No. 111. Maple. List per gross 12.00

No. 110. Ash. List per gross 14.80

Natural wood; projects 2¾ inches; diameter 1¼ inches; improved rubber tip; iron screw; for baseboard; average weight per gross, 10 pounds.

In bulk.



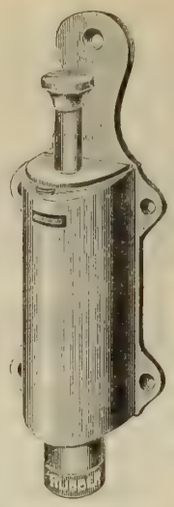
No. 125. Ash. List per gross 39.00

For Floors

Finely finished wood; heavy rubber band; 1⅜ inches diameter at base; 1⅝ inches high; blued steel screw passes through the stop; average weight per gross, 13 pounds.

¼ gross in a box.

DOOR HOLDERS

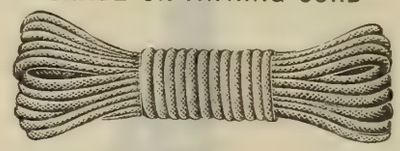


No.	Finish	List per doz.
OC.1632.	Old Copper	30.00
DB.1632.	Dull Brass	30.00

Wrought Steel Case 6¾ x 2⅝ inches; cast plunger with rubber cushion; steel coil spring; bolt is thrown or released by the use of the foot; with screws to match; average weight each, ¾ pounds.

1/12 dozen in a box.

SHADE OR AWNING CORD



WHITE

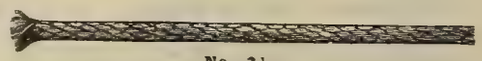
Size Nos.	App. wt. doz. lbs.	List per doz.
3½	1¾	3.80
4	4	7.90
4½	5	10.70

DRAB

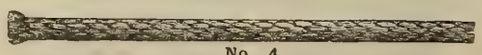
Size Nos.	App. wt. doz. lbs.	List per doz.
D.4	4	9.00
D.4½	5	12.40

48-ft. hanks

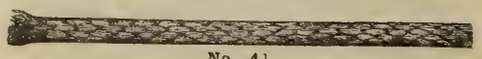
Solid Braided Cotton; one dozen hanks in a box, all connected.



No. 3½.



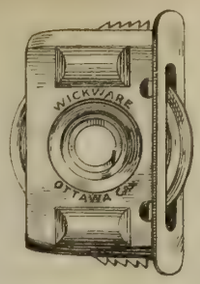
No. 4.



No. 4½.

Actual size illustrations of shade cords.

SASH PULLEYS

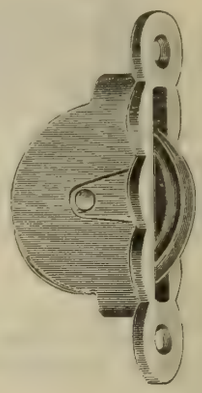


No. 1100. List per dozen 1.40

Cone-Bearing.

Polished Cold Rolled Strip Steel case and wheel; face 2⅛ x ⅞ inches; wheel 1⅞ inches diameter; the case has side corrugations, preventing the wheel from binding; saw tooth fasteners at each end hold the pulley securely without screws or nails; average weight per dozen, 1½ pounds.

50 dozen in a case.



"Common Sense." List per dozen 2.10

Common Cast iron; face 4⅝ x 1 3/16 ins.; 2-inch ground wheel; steel pin axle; takes No. 11 F.H. screws; average weight per dozen, 7½ pounds.
Use ⅞-inch bit.

In Bulk.

SASH CORD IRONS

Illustration full size.

No. 1. List per dozen ..... .80

Cast iron; natural finish; projects 11/16-inch; diameter ¾-inch; for ordinary sash cord; average weight per gross, 4 pounds.

12 dozen in a box.

SASH CORD

Extra selected, hard braided, white cotton; smooth and even; paraffine finish; 2 hanks connected.

"HERCULES"

In 100-ft. hanks.

Size Nos.	Diam. ins.	Average wt. doz. hanks,	Heaviest wt. recommended, pounds	List per pound.
6	3/16	18	5	1.04
7	7/32	22	12	1.02
8	1/4	27	20	1.00
9	9/32	33	30	1.00
10	5/16	40	40	1.00
12	3/8	58	50	1.00

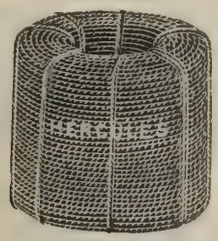
"STAR"

In 100-ft. hanks.

Size 5. List per doz. hanks 36.00

5/32-inch diameter, average weight per dozen hanks, 15 pounds; approximate number of feet per pound, 100; heaviest weight recommended, 3 pounds.

1 dozen in a package.

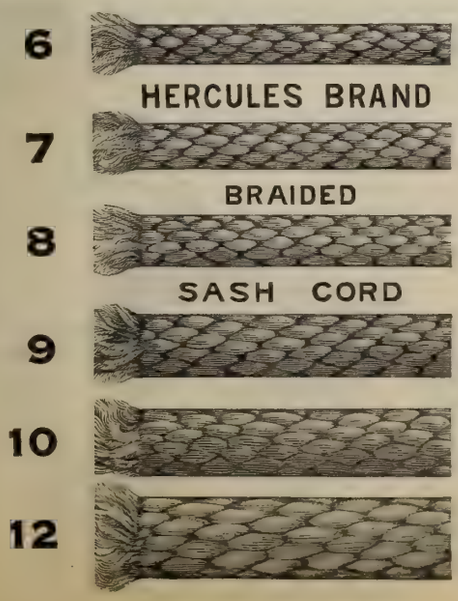


"HERCULES"

In 10 pound coils.

Size Nos.	Diam. ins.	App. feet per pound	Heaviest wt. recommended, pounds	List per pound.
6	3/16	66	5	1.04
7	7/32	55	12	1.02
8	1/4	44	20	1.00
9	9/32	36	30	1.00
10	5/16	30	40	1.00
12	3/8	21	50	1.00

Extra selected, hard braided, white cotton; smooth and even; paraffine finish.



SASH WEIGHTS

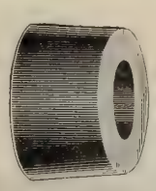
Common Cast Iron

Solid. List per 100-lbs. 7.50

Round Cast iron; with loop eye for cord.

Sold at marked weights.

Weight, lbs.	3	4	5	6	7
Diam., ins.	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8
Length, ins.	8 1/2	10 3/8	12 1/4	14 1/8	15 7/8
Weight, lbs.	8	9	10	11	12
Diam., ins.	1 5/8	1 5/8	1 5/8	1 5/8	1 3/4
Length, ins.	17 5/8	19 1/2	21 3/8	23 1/4	24
Weight, lbs.	14	15	16	18	20
Diam., ins.	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
Length, ins.	24 3/4	26 3/8	27 7/8	31 1/8	34 5/8



Sectional

1/2 pound. List per 100 pounds 12.00

Common cast iron; flaring; height 1 inch; diameter at bottom, 1 3/4; at top, 1 5/8 inches; 5/8-inch hole.

Loose.

WINDOW SPRING BOLTS

No. 10. List per gross 10.00

3-inch.

Copper bronzed cast iron bolt; tin sleeve; brass spiral coil spring; for regular sash; for 3/8 inch hole; average weight per gross, 7 pounds.

1/2 gross in a box.

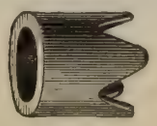
No. 37. List per gross 11.50

3 1/4-inch.

Tinned wrought iron bolt; tin case; brass spiral coil spring 3/8-inch diameter; for wide sash; average weight per gross, 8 pounds.

1/2 gross in a box.

WINDOW SPRING BOLT SOCKETS

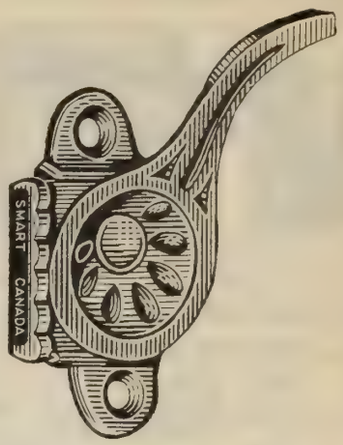


No. 50. List per gross 1.20

Outside diameter, 9/16-inch; inside diameter, 3/8 inch; length 9/16-inch; average weight per gross, 2 pounds.

1 gross in a box.

SASH FASTENERS OR LOCKS



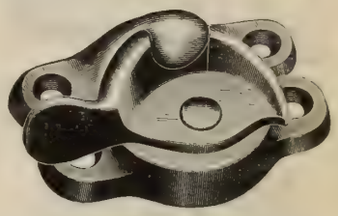
"Garretson's." List per gross 16.80

Side Sash Lock.

Amber Bronzed ornamental cast iron; 2 1/2-inch lever; 2 1/4 x 1 1/4 inch plate; will lock the sash (upper or lower) securely at any desired point, giving a safe method of ventilation; average weight per dozen, 1 1/2 pounds.

1/2 gross in a box, with screws.

SASH FASTENERS

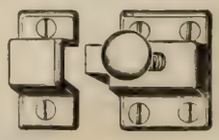


No.	Finish	List per doz.
OC.26.	Old Copper	2.40
DB.26	Dull Brass	2.40
BB.26.	Bright Brass	2.40
NP.26.	Nickel Plated	2.80

Cast iron; rolled; plated; flat steel spring; size 2 5/8 x 1 1/2 inches; average weight per dozen, 3 pounds.

1 dozen in a box, with screws.

FRENCH WINDOW CATCHES

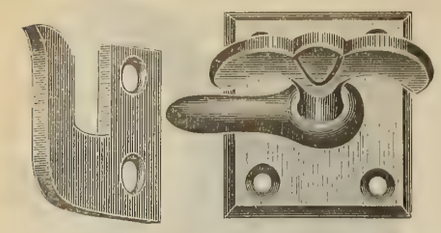


No.	Finish	List per gross
OC.2410.	Old Copper	40.40
DB.2410.	Dull Brass	40.40
BB.2410.	Bright Brass	40.40

Wrought steel; plated; solid bolt; brass spiral coil spring; size of case without strike 1 3/8 x 1 inch; average weight per dozen, 1 pound.

1/6 gross in a box, with screws.

CASEMENT WINDOW FASTENERS



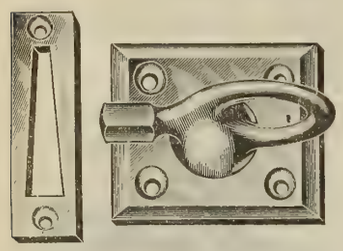
No.	Finish	List per doz.
OC.655.	Old Copper	5.50
DB.655.	Dull Brass	5.50
BB.655.	Bright Brass	5.50
NP.655.	Nickel Plated	6.00

Rim.

For Windows opening in and having a flush fitting sash.

Wrought steel; plated; T lever handle; for right or left hand; 1⅝ x 1½-inch plate; with strike; average weight per dozen, 2½ pounds.

1 dozen in a box, with screws.



No.	Finish	List per doz.
OC.755.	Old Copper	5.50
DB.755.	Dull Brass	5.50
BB.755.	Bright Brass	5.50

Mortise

For Windows opening out or any window with sash not fitting flush with frame.

Wrought steel plated; for right or left hand; 1⅝ x 1⅜-inch plate; with strike; average weight per dozen, 2 pounds.

1 dozen in a box, with screws.

CASEMENT WINDOW ADJUSTERS

For Windows Opening Out.

No.	Finish	List per doz.
OC.64 x 10.	Old Copper	12.40
DB.64 x 10.	Dull Brass	12.40
BB.64 x 10.	Bright Brass	12.40

Cast iron; plated; rod 10 x ⅜ inches; plates 2¼ x ⅞ inches; average weight per dozen, 8 pounds.

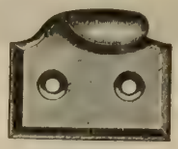
¼ dozen in a box, with screws.

No.	Finish	List per doz.
OC.64 x 12.	Old Copper	12.40
DB.64 x 12.	Dull Brass	12.40
BB.64 x 12.	Bright Brass	12.40

Cast iron; plated; rod 12 x ⅜ in.; plates 2¼ x ⅞ inches; average weight per dozen, 9 pounds.

¼ dozen in a box, with screws.

HOOK SASH LIFTS



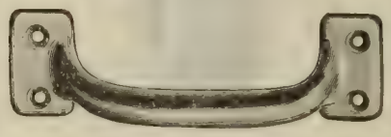
No.	Finish	List per gross
OC.16.	Old Copper	7.50
DB.16.	Dull Brass	7.50
BB.16.	Bright Brass	7.50
NP.16.	Nickle Plated	8.40

Wrought Steel

Bevelled edge; size of plate 1⅝ x ⅞ inches; average weight per gross, 7 pounds.

¼ gross in a box, with screws.

BAR SASH LIFTS



No. T410M. List per dozen 2.20

Amber Bronzed Finish.

Cast iron; lacquered; length over all 5 inches; clearance 3¼ inches; projects 1¼ inches; width of plates, 1¼ inches; average weight per dozen, 2½ pounds.

2 dozen in a box, with screws.

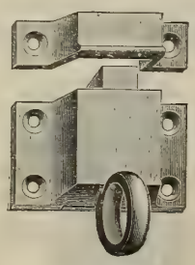
TRANSOM CATCHES

No. T3440A. List per gross 75.60

Cast Iron, Tuscan Bronzed.

Ornamental; bronzed malleable iron ring; triangular bolt with brass spiral coil spring; size without strike, 1⅜ x 1 inch; regular bevel rim strike; average weight per dozen, 1½ pounds.

1/6 gross in a box, with screws.



No. OC.3443. List per dozen 11.40

Cast Iron, Old Copper Finish.

Size without strike, 1⅞ x 1⅛ inches; regular bevel; rim strike; brass spiral coil spring; average weight per dozen, 1¾ pounds.

2 dozen in a box, with screws.

STOP BEAD ADJUSTERS

Front View.

Side View.

Illustrations Full Size.

No.	Finish	List per gross
DB.14.	Dull Brass	2.00
BB.14.	Bright Brass	7.50

For Windows and Sliding Doors.

ADJUSTABLE.

One piece steel Cup Washer with knurled edges; round head plated screws 1 x 8.

Used for adjusting window stop which holds the sash to casing; average weight per gross 1½ pounds.

1 gross in a box, with screws.

FRICTION DOOR CATCHES

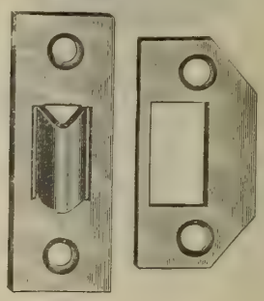
No. 1541. List per gross 12.60

Dull Brass Finish.

For Window Screens and Light Doors.

⅜ x 7/16 inch brass shell; ⅝-inch steel strike plate; steel bolt; brass spring; operates automatically by closing or pulling open the door; with escutcheon pins; average weight per gross, 2½ pounds.

1 gross in a box.



No. 1534. List per dozen 3.20

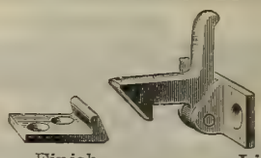
Steel, Bright Brass Finish.

For all styles of Light Doors.

2 x ¾-inch face; broad latch surface gives ample room for friction and the catch which is controlled with steel wire coil spring holds the door firmly; operates automatically by closing or pulling the door; average weight per dozen, 9 ounces.

1 dozen in a box, with screws.

ELBOW CATCHES



No.	Finish	List per gross
6300.	Japanned	21.60
DB.6300.	Dull Brass	36.60
BB.6300.	Bright Brass	36.60

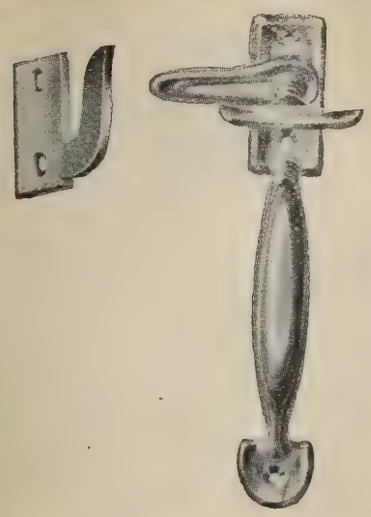
Cast Iron.

Base plate 1¼ x ¾ inches; lever catch operated by small coil spring; chiefly used on double doors of cabinets and cupboards to secure one of the doors from the inside; average weight per dozen, ¾ pounds.

1/6 gross in a box, with screws.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

CASEMENT WINDOW FASTENERS



No.	Finish	List per doz.
BB.656.	Bright Brass	10.00
OC.656.	Old Copper	10.00
DB.656.	Dull Brass	10.00

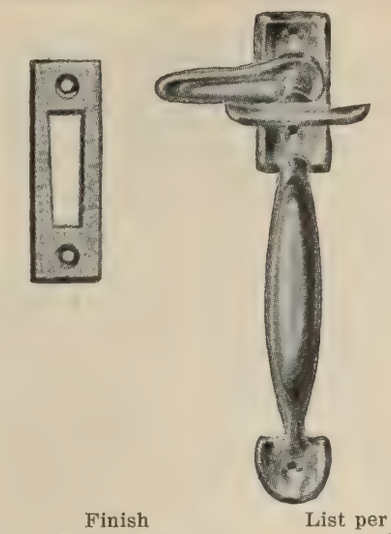
Rim.

For Windows opening in and having a Flush Fitting Sash.

Cast brass, T lever handle; for right or left hand; swell centre grip, length over all, 5½ inches; width 3/4 inches; with strike plate, average weight per dozen, 4 pounds.

1 dozen in a box, with screws.

CASEMENT WINDOW FASTENERS



No.	Finish	List per doz.
BB.756.	Bright Brass	10.00
OC.756.	Old Copper	10.00
DB.756.	Dull Brass	10.00

Mortise.

For Windows Opening Out, or any Window with Sash not Fitting Flush to Frame.

Cast brass, T lever handle; for right or left hand; swell centre grip, length over all, 5½ inches; width 3/4 inches; with strike plate, average weight per dozen, 4 pounds.

1 dozen in a box, with screws.

CASEMENT WINDOW ADJUSTERS

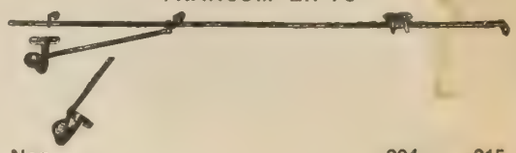
Nos.	Finish.	List per dozen
OC-564x10,	Old Copper	10.80
DB-564x10.	Dull Brass	10.80
BB-564x10.	Bright Brass	10.80

Solid Brass; For Windows Opening Out.

10 inch round rod 5/16 inch diameter; sash plate 1¾ x 5/8 inches; sill plate 2¼ inches; average weight per dozen, 7¼ pounds.

1 dozen in a box, with screws.

TRANSOM LIFTS



Nos.	204	215
List per dozen	11.00	20.40
Diam. rod, inches	1/4	5/16
Length rod, inches	4	5
App. wt. dozen, lbs.	13	24½

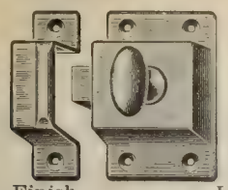
Reversible; Copper Finish.

Round steel rods; automatic grip, with safety spring.

NOTE:—To find the correct size of lifts required, deduct four feet from the distance between the floor and the centre of the transom.

Open stock.

CUPBOARD TURNS

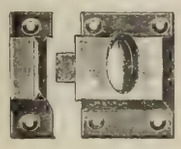


No.	Finish.	List per dozen
OC.406.	Old Copper	4.40
DB.406.	Dull Brass	4.40
BB.406.	Bright Brass	4.40

Wrought Steel, Plated.

Oval Knob; spiral coil spring; size (without strike) 1½ x 2¼ inches; Rim strike; average weight per dozen, 2 pounds.

1 dozen in a box, with screws.



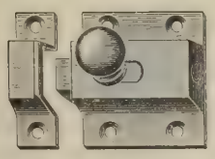
No.	Finish.	List per dozen
OC.506.	Old Copper	4.90
DB.506.	Dull Brass	4.90
BB.506.	Bright Brass	4.90
NP.506.	Nickle Plated	5.40

Wrought Steel; Plated.

Oval Knob; spiral coil spring; size (without strike) 1⅛ x 1⅞ inch; rim strike; average weight per dozen, 1⅛ pounds.

1 dozen in a box, with screws.

CUPBOARD CATCHES



No.	Finish.	List per gross
OC.473.	Old Copper	33.60
BB.473.	Bright Brass	33.60
DB.473.	Dull Brass	33.60
NP.473.	Nickel Plated	36.80

Wrought Steel; Plated.

Size, without strike, 1¾ x 1⅜ inches. Average weight per dozen, 1¼ pounds.

1/12 gross in a box, with screws.

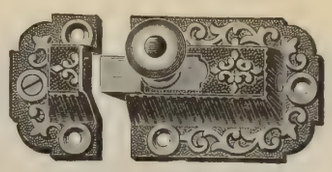
No. 262. List per gross 43.20

Tuscan Bronzed; Lacquered.

Ornamental cast iron; bronze plated knob; triangular bolt; spiral coil spring; size, without strike, 2 x 1½ inches; average weight per dozen, 2 pounds.

1/6 gross in a box, with screws.

CUPBOARD CATCHES



No. 267. List per gross 80.00

Tuscan Bronzed; Lacquered.

Ornamental cast iron; porcelain knob; triangular bolt; spiral coil spring; size, without strike, 2 x 1½ inches; average weight per dozen, 2 pounds.

1/6 gross in a box, with screws.

DOOR BUTTONS

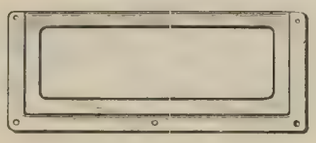
No. 4J. Japanned.

Length, inches	1½	1¾	2
List per gross	1.30	1.40	1.70
Average wt. gross, lbs.	1¾	2	2½

Wrought stamped steel; without screws; require No. 8 F. H. screws.

1 gross in a box.

CARD HOLDERS



No. BB.743. List per gross 14.20

Bright Brass.

Bronze metal; 3 x 1¼ inches; opening 2½ x ¾ inch; require No. 18 escutcheon pins; average weight per gross, 1¼ pounds; without pins.

1 gross in a box.

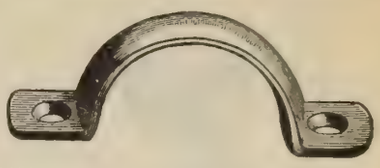
No. BB.748. List per gross 33.20

Bright Brass—With Pull.

Bronze metal; 3½ x 1¾ inches; opening 2¾ x 1 inch; average weight per gross, 6¾ pounds.

¼ gross in a box, with screws.

BOX PULLS OR DRAWER HANDLES



No. 254½. List per gross 13.40

Wrought Steel, Old Copper Finish.

Length over all, 2¼ inches; width, ⅜ inches; clearance, 1¼ inch; projects ⅝ inches; average weight per dozen, 3 ozs.

¼ gross in a box, with screws.

No. 254. List per gross 16.00

Wrought Brass, Polished.

Length over all, 2½ inches; width, ⅜ inches; clearance, 1¼ inches; projects $\frac{11}{16}$-inch; average weight per dozen, 3½ ounces.

¼ gross in a box, with screws.

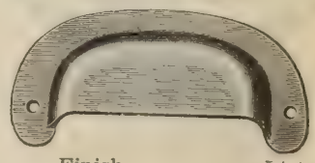
DRAWER PULLS

No.	Finish.	List per gross
BB.462.	Bright Bronze	22.00

Polished Wrought Steel.

Length over all, 3¼ inches; clearance, 2¼ inches; projects ¾-inch; average weight per dozen, 11 ounces.

1/6 gross in a box, with screws.



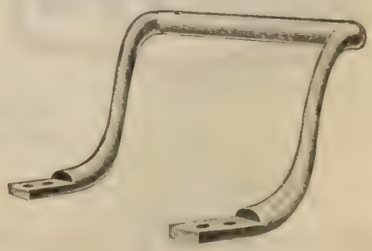
No.	Finish.	List per gross
OC.262.	Old Copper	22.80
DB.362.	Dull Brass	22.80

Polished Wrought Steel.

Length over all, 3¾ inches; clearance, 2½ inches; projects $\frac{13}{16}$ inches; average weight per dozen, ⅞ pounds.

1/6 gross in a box, with screws.

TRAY HANDLES



No. BB.222. List per dozen pairs 9.00

Cast Brass, Polished.

Round Grip and Arms; flat ends drilled with two screw holes; size, width 2½ inches; lift, 2 inches; offset, 1½ inches; average weight per dozen pairs, 2¾ pounds, screws included.

1 dozen pairs in a paper.

DROP DRAWER HANDLES

No. 069. List per dozen 4.20

1¼-inch knob and Rose; average weight per dozen, ¾ pounds.

Ebonized wood knob; stamped brass base; brass plated knuckle; 2 x $\frac{3}{16}$-inch threaded bolt with nut.

No. 070. List per dozen 4.80

1⅜-inch knob; 1½-inch Rose; average weight per dozen, 1 pound.

Ebonized wood knob; stamped brass base; brass plated knuckle; 2 x $\frac{3}{16}$-inch threaded bolt with nut.

3 dozen in a box.

DRAWER HANDLES

No. 1597. List per single dozen 1.80

All Steel; Brass Plated.

Stamped plate, 4 x 1½ inches; plated iron handle and studs; 1⅛-inch threaded shanks with nuts; 3 inches between centres.

3 dozen in a box.

List per single dozen.

No. 1462. Gilt Finish 1.90

No. 1462. Oxidized Finish 2.10

Wrought Brass Plate.

Stamped plate 4 x 1⅝ inches; plated iron handle and studs; 1⅛-inch threaded shanks (with nuts) 3 inches apart; average weight per dozen, 1 pound.

3 dozen in a box.

DRAWER HANDLES

List per single dozen.

No. 1568. Gilt Finish 2.80

Wrought Brass Plate

Stamped plate 4¾ x 1⅞ inches; plated iron handle and studs; 1⅛ inch threaded shanks with nuts; distance between posts, 3 inches; average weight per dozen, 1 pound.

3 dozen in a box.

List per single dozen.

No. 1457. Gilt Finish 2.30

No. 1457. Oxidized Finish 2.70

Wrought Brass Plate

Stamped plate, 4½ x 2 inches; plated iron handle and studs; 1⅛-inch threaded shanks (with nuts) 3 ins. apart; average weight per dozen, 1¼ pounds.

3 dozen in a box.

List per single dozen.

No. 1362. ..... 3.00

Wrought Brass Plate.

Oxidized Finish.

Stamped plate, 4¼ x 1⅜ inches; plated iron handle and studs; 1⅛-inch threaded shanks with nuts; distance between posts 3 inches; average weight per dozen 1¼ pounds.

3 dozen in a box.

DRAWER HANDLES

List per single dozen.

No. 5501. Gilt Finish. 3.70

Cast Brass Plate.

Plate 4½ x 2 inches; plated iron handle and studs; 1⅛-inch threaded shank with nuts; distance between posts, 3 inches; average weight per dozen, 1¼ pounds.

3 dozen in a box.

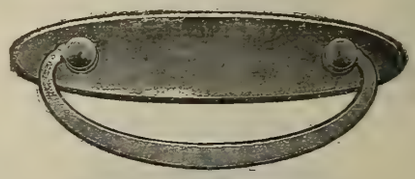
List per single dozen.

No. 1548. ..... 6.30

Polished Brass.

3 inches; cast brass studs; stamped brass rosettes; tapped with ¾-inch machine screws; 3 inches between centres; average weight per dozen, 1¼ pounds.

2 dozen in a box.



List per single dozen.

No. 5566. ..... 10.10

Wrought Brass, Polished.

Plate 4½ x 1⅛ inches; brass handle and posts; ⅞ inch machine screws; 3 inches between centres.

1 dozen in a box.

HOUSEHOLD HARDWARE ASSORTMENTS

No. 1 Assortment. List each 48.00

Contains 27 Dozen Pieces as Follows:—

1 Doz. No. 615 Drawer Pulls, cast brass ..... To sell for .15 each
1 Doz. No. 616 Drawer Pulls, cast brass ..... To sell for .15 each
1 Doz. No. 497 Hat and Coat Hooks, brass plated To sell for .13 each
2 Doz. No. 69 Drawer Knobs, solid brass ..... To sell for .10 each
1 Doz. No. 76 Drawer Knobs, cast brass ..... To sell for .15 each
2 Doz. No. 235 Escutcheons, cast brass ..... To sell for .05 each
2 Doz. No. 132 Drawer Knobs, cast brass ..... To sell for .17 each
1 Doz. No. 213 Commode Buttons, wrought brass To sell for .15 each
1 Doz. No. 630 Drawer Pulls, cast brass ..... To sell for .20 each
2 Doz. No. 121 Sash Lifts, Old Copper Finish ... To sell for .05 each
2 Doz. No. 213 Drawer Pulls, wrought brass .... To sell for .10 each
2 Doz. No. 100 Drawer Pulls, wrought brass .... To sell for .05 each
1 Doz. No. 294 Drawer Knobs, cast brass ..... To sell for .13 each
1 Doz. No. 283 Lions Feet Tray Stands, cast brass To sell for .29 each
2 Doz. No. 102 Drawer Pulls, brass plated ..... To sell for .05 each
1 Doz. No. 387 Drawer Pulls, cast brass ..... To sell for .21 each
1 Doz. No. 160 Tray Handles, cast brass ..... To sell for .23 each
2 Doz. No. 423 Drawer Pulls, brass plated ..... To sell for .05 each
1 Doz. No. 38 Escutcheon Pulls, cast brass .... To sell for .10 each

A good selling assortment; samples of each are mounted on an attractive display board 11½ x 23½ inches, stained dark oak; including selling chart; average weight each, 38 pounds.

1 assortment in a box.

The above are suggested retail selling prices.

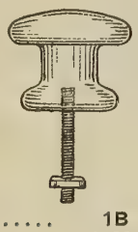
FURNITURE KNOBS

Nos.	33B	55B
List per dozen	1.90	2.90
Diam. head, inches	3/4	1
Length bolt, inches	3/4	1
App. wt. doz., lbs.	5/8	1/2

Clear Glass Knobs; Fancy.

Round knob; blued steel bolt imbedded in the glass.

1 dozen in a box.



Nos.	1B	3B	5B
List per dozen	1.20	1.90	2.50
Length bolt, inches	5/16	1/2	5/8
Diam. head, inches	1/8	5/16	7/16

Clear Glass Knobs; Plain.

Round Knob; blued steel bolt imbedded in the glass fitted with square nut.

No. 1, packed 3 dozen in a box.
Nos. 3 and 5, 1 dozen in a box.

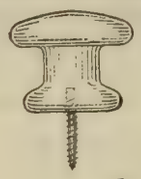
FURNITURE KNOBS

Nos.	33	55
List per dozen	1.90	2.90
Length screw inches	7/16	5/8
Diam. head, inches	3/4	1
App. wt. doz., lbs.	1/4	5/8

Clear Glass Knobs; Fancy.

Round knob; blued steel screw imbedded in the glass.

1 dozen in a box.



Nos.	1	2	3
List per dozen	1.20	1.90	2.50
Length screw, inches	3/16	5/16	3/8
Diam. head, inches	1/2	3/4	1
App. wt. doz., lbs.	1/16	5/16	3/8

Clear Glass Knobs, Plain.

Round knob; blued steel screw imbedded in the glass.

No. 1, packed 3 dozen in a box.
Nos. 3 and 5, 1 dozen in a box.

DRAWER KNOBS

No.	403	404
List per dozen	1.60	2.00
Diameter, inches	1	1¼
Wt. dozen, lbs.	½	¾

Wrought Brass, Polished.

Round concaved knob; round base; projects ⅞-inch; 1⅜-inch screw spindle and nut.

3 dozen in a box.

No.	900	901	902	903
List per dozen	1.60	1.70	2.00	2.20
Diameter, inches	⅜	½	⅝	¾
Projects, inches	⅜	⅜	½	½
Wt. dozen, ozs.	1½	2	2¼	2½

Wrought Brass, Polished.

Wrought Brass Knob; solid brass shank; fitted with wood screw.

No. 903, 3 dozen in a box; all others 6 dozen in a box.

No.	400	401
List per dozen	2.50	3.20
Diameter, inches	1	1¼
Weight dozen, lbs.	½	¾

Cast Brass, Gilt Finish.

Cast ornamental knob; wrought shank; stamped brass rose; 1¼ inch machine screw and washer.

3 dozen in a box.

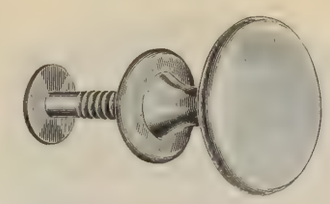
No. 504. List per dozen 2.80

Wrought Brass, Dull Finish.

Round concaved knob 1¼ inches in diameter; round base; projects $\frac{15}{16}$-inch; 1½-inch screw spindle and nut; average weight per dozen, ½ pound.

3 dozen in a box.

DRAWER KNOBS



List per dozen.

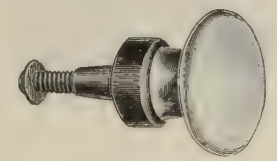
No. 610. Bright Brass Finish 4.10

No. 00610. Dull Brass Finish 4.10

Wrought Steel.

Round knob, 1¼ inches diameter; solid base and shank; projects $\frac{13}{16}$ inch; 1-inch machine screw and washer; average weight per dozen, 9 oz.

1 dozen in a box.

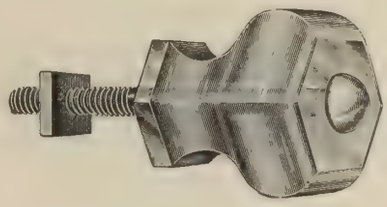


No. 710. List per dozen 6.30

White Porcelain Knobs.

1-inch diameter; polished brass base and shank; projects $1\frac{1}{16}$-inch; 1-inch machine screw and washer; average weight per dozen, 12 ounces.

½ dozen in a box.



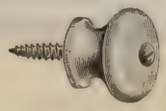
No.	1708	1710
List per dozen	7.50	10.30
Diameter, inches	1¼	1¾
Projects, inches	1¼	1¾
Screw size	$\frac{3}{16}$x2¾	$\frac{7}{32}$x3¼
App. Wt. dozen, lbs.	1½	3¼

Crystal Glass Knob.

Hexagon knob; brass cap bolt through centre; bolt is threaded and furnished with square nut.

1 dozen in a box.

SHUTTER KNOBS

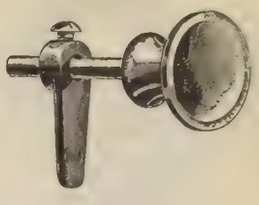


No. 15. Porcelain. Diameter, inches	1	1¼	1½
List per gross	14.60	22.40	23.80
Av. Wt. gross, lbs.	5¼	9	14

With loose round head tinned screws.

¼ gross in a box.

COMMODE BUTTONS



No. 426. List per dozen 2.50

Stamped Brass, Polished.

1¼ inch plain brass knob and shank, adjustable cast iron lever; 1½-inch spindle; for cupboard doors not exceeding 1¼ inches thick; average weight per dozen, ¾ pound.

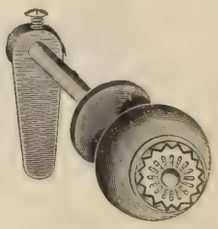
3 dozen in a box.

No. 522. List per dozen 4.20

Stamped Brass, Polished.

1¼-inch brass knob with ornamental face; adjustable cast iron lever 1⅜ ins. long, with set screw; 1½ inch spindle; for cupboard doors not exceeding 1¼ inches thick; average weight per dozen, ⅞ pound.

3 dozen in a box.



No.	321	322	323
List per dozen	2.50	2.80	3.00
Size knob, inches	1	1⅛	$1\frac{5}{16}$
Average wt. doz., ozs.	13	14	16

Black enamelled wood knob; stamped; brass rosettes; adjustable cast iron lever catch; 1⅛ inch spindle; for cupboard doors not exceeding ¾ inch thick.

3 dozen in a box.

LOOKING GLASS PLATES

No. 03338. List per dozen 1.40

Wrought Brass, Gilt Finish.

1⅜ inches wide; 1⅜ inches deep; drilled for No. 9 R. H. screws; average weight per box, 1¼ pounds.

6 dozen in a box.

FURNITURE ESCUTCHEONS

No. BB.550. Gilt Finish. List per gross.. 7.20

Wrought Brass.

⅞-inch diameter; beaded edge; requires No. 15 gauge escutcheon pins; average weight per box, ¼ pound; without pins.

½ gross in a box.

No. BB.301. List per dozen 1.80

Cast Brass, Polished.

2½ x $\frac{13}{16}$-inch; ⅝-inch key hole; average weight per box, 1¼ pounds.

6 dozen in a box, with pins.

ESCUTCHEON PULLS

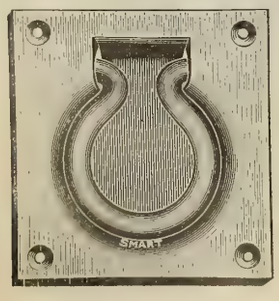
No. BB.4767. List per dozen 4.20

Cast Brass, Polished and Lacquered.

Length over all 4 inches; with ¾ inch key plate escutcheon 1⅝ inches plain finger pull; ¾-inch clearance; drilled to take No. 13 Brass Escutcheon Pins; average weight per dozen, 10 ounces.

3 dozen in a box.

FLUSH TRAP DOOR RINGS



No. 3. List per dozen 1.90

Wrought Steel, Japanned.

Plate 2½ x 3¾ inches; ring 2 inches; outside diameter; ⅜-inch thick; takes No. 10 F. H. screws; average weight per single dozen, 1¾ pounds; without screws.

1 dozen in a package.

CHEST HANDLES

No. 1205J. Japanned.		
Length, inches	3¼	4
List per dozen pairs	5.00	8.00
Size plate, inches	3⅜x2¾	4x2⅞
Size handle, inches	3¼x$\frac{5}{16}$	3⅞x$\frac{3}{8}$
App. Wt. doz. prs., lbs.	7½	12

Wrought Steel

Handle raises to right angle.

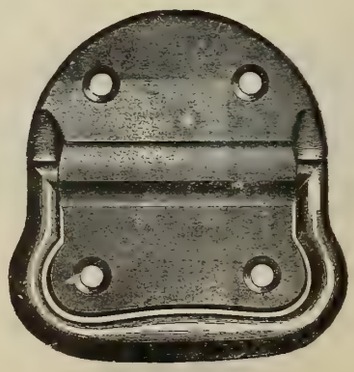
½ dozen pairs in a box.

No. 2082. List per dozen pairs 5.10

Wrought Steel, Japanned.

Plate 4¾ x 2 inches; folded handle, 4 inches long, ½ inch diameter; handle raises to right angle; takes No. 11 F. H. screws; average weight per dozen pairs, 6¼ pounds; without screws.

½ dozen pairs in a box.



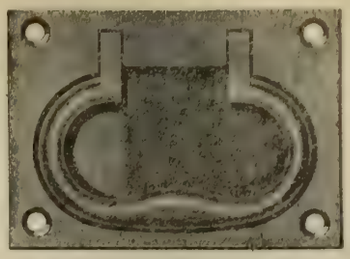
No. 12. List per dozen pairs 6.00

Cast Iron, Japanned.

Plate 3½ x 3⅜ inches; length of handle 3⅞ inches; takes No. 14 F. H. screws; handle raises to right angle; average weight per dozen pairs, 15½ pounds; without screws.

½ dozen pairs in a box.

CHEST HANDLES



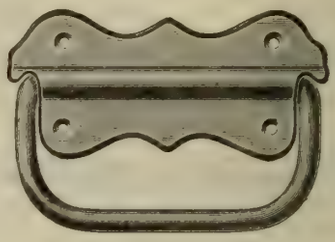
No. 27. List per dozen pairs 8.80

Flush.

Cast Iron, Japanned.

Plate 4¼ x 3½ inches; handle 3⅜ inches long; countersunk No. 8 F. H. screws; handle raises to right angle; average weight per dozen pairs, 20 pounds; without screws.

½ dozen pairs in a box.



No.	Finish	List per dozen pairs
OC.2041.	Old Copper	8.10
BB.2041.	Bright Brass	8.10

Wrought Steel, Plated.

Plate 3½ x 1½ inches; handle 3¼ inches long; ¼-inch diameter; handle raises to right angle; average weight per dozen pairs, 4 pounds; with screws.

½ dozen pairs in a box.

No. 2081. List per dozen pairs 13.90

Old Copper Finish.

Wrought Steel.

Plate 4¼ x 1⅞ inches; folded handle 4 inches long; ½-inch diameter; handle raises to right angle; average weight per dozen pairs, 3½ pounds; without screws.

½ dozen pairs in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

KEY ESCUTCHEONS

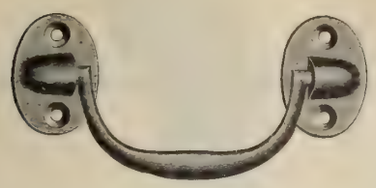
No. 3151. List per dozen 3.20

Wrought Brass, Polished.

$1\frac{1}{8}$ x $2\frac{3}{16}$ inches; bevelled edge; with screws to match; average weight per gross, $3\frac{1}{2}$ pounds.

3 dozen in a box.

LIFTING HANDLES



No. 5.

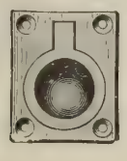
4-inch. List per dozen pairs 19.00

Cast Brass.

Natural colour, highly polished handle; swings both ways.

1 dozen in a box, with screws.

FLUSH RINGS



No. 20.

Width, inches	1	1¼	1½
List per dozen	6.80	8.90	10.80
Length, inches	1⅜	1 9/16	1 13/16
App. Wt. doz., lbs.	⅜	¾	1

Cast Brass.

Natural colour, highly polished surface, flat ring.

2 dozen in a box, with screws.

HINGE HASPS

No. 803. List per dozen 2.80

Wrought Brass, Polished.

Size, 3 inches long; ½-inch wide; staple plate 1 x 1½ inches; takes No. 2 F. H. screws; average weight per dozen, 6 ounces, without screws.

1 dozen in a box.

No. 804. List per dozen 3.40

Wrought Brass, Polished.

Size, 2½ x ¾-inch; staple plate 1 3/16 x ¾-inch; takes No. 2 F. H. screws; average weight per dozen, 8 ounces.

1 dozen in a box.

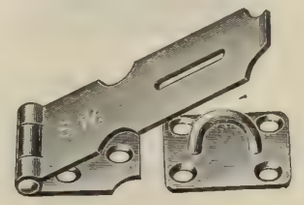
HINGE HASPS

No. 807. List per dozen 4.80

Wrought Brass, Polished.

Size, 3⅜ inches long, 11/16-inches wide; staple plate 11/16 x 1 3/16 inch; takes No. 2 F. H. screws; average weight per dozen, 10 ounces, without screws.

1 dozen in a box.



Safety Single Hinge.

No. 346C—2¾-inch. List per dozen 3.80

Wrought Steel, Dull Brass Plated.

Length over all, 3⅝ inches; long leaf, 2½ inches; width at joint 15/16 inches; fast pin and staple; light weight; average weight per box, 1 pound.

1 dozen in a box, with screws.

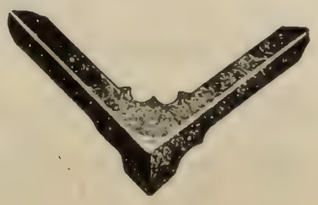
No. 819. List per dozen 5.80

Wrought Steel, Dull Brass Finish.

Length over all, 3⅞ inches; length of strap 3 inches; width 1 inch; one piece staple and plate; average weight per dozen, 1½ pounds.

1 dozen in a box, with screws.

BOX CORNERS



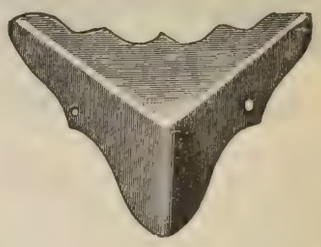
No. 481. List per dozen 2.30

Wrought Brass, Polished.

Size, 2⅜ inches; depth at corner ⅝ ins.; drilled for escutcheon pins; average weight per dozen, ¼ pound.

1 dozen in a box.

BOX CORNERS



No. 479. List per dozen 2.30

Wrought Brass, Polished.

Size, sides 1¾ inches; depth at corner ⅝ inch; average weight per dozen, 4 ozs.

3 dozen in a box.

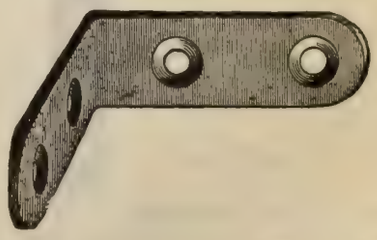
No. 482. List per dozen 3.50

Wrought Brass, Polished.

Size, sides 1¾ inches; depth at corner, 1¾ inches; takes No. 4 R. H. screws; average weight per dozen, ½ pound, without screws.

1 dozen in a box.

CORNER BRACKETS



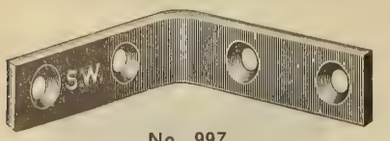
No.	401	401½
List per gross	13.50	15.80
Size inches	1x1x½	1½x1½x½
Screw holes	2	4
Size screw, No.	4	5
App. Wt. doz., ozs.	4	5

Wrought Brass.

Gilt finish; used on boxes, shelving, etc., without screws.

¼ gross in a box.

CORNER BRACES



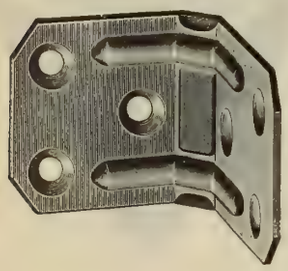
No. 997.

Size	2	2½	3
List per dozen	.70	1.00	1.12
Length sides, ins.	2x2	2½x2½	3x3
Width, inches	⅝	⅝	¾
Size of screws, No.	8	8	9
Screw holes	4	4	4
App. Wt. doz., lbs.	1	1½	2¼

Size	4	5	6
List per dozen	2.20	2.70	3.60
Length sides, ins.	4x4	5x5	6x6
Width, ins.	⅞	1	1⅛
Size of screws, No.	10	1	12
Screw holes	4	6	6
App. Wt. doz., lbs.	2¼	3	4¼

Plain Wrought Steel

To apply to inside corners.
2, 2½, 3-inch, 2 dozen in a box.
4, 5, 6-inch, 1 dozen in a box.



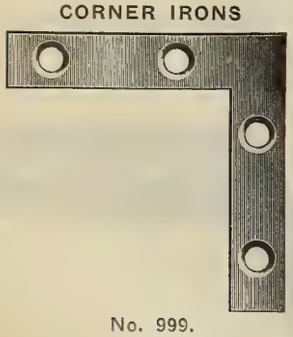
No. 997½.

Size	1⅝
List per dozen	1.60
Length each side, ins.	1⅝
Width, inches	1½
Size of screws, No.	9
Screw holes	6
App. Weight dozen, lbs.	1½

Wrought Steel Corrugated.

Bright finish, supplied without screws.
2 dozen in a box.

CORNER IRONS



No. 999.

Size	2	2½	3	3½
List per dozen	.50	.60	.80	1.00
Length each side, ins.	2	2½	3	3½
Width, ins.	⅜	½	⅝	¾
Size of screws, No.	5	5	8	9
Screw holes	4	4	4	4
App. wt. doz., lbs.	⅜	½	¾	1⅛

Plain Wrought Steel.

Flat; bright finish; to apply to outside of lid or to edge of box corners; supplied without screws.
2 dozen in a box.

MENDING PLATES

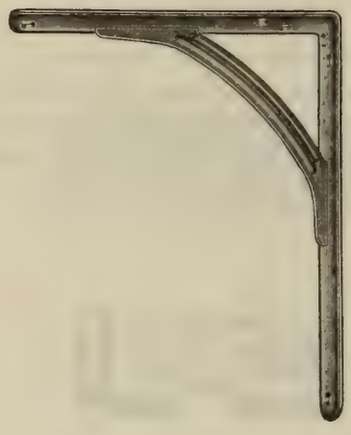
No. 995.

Length, ins.	2	2½	3	4	5
List per dozen	.92	1.04	1.24	1.56	1.88
Width, ins.	⅝	⅝	¾	⅞	1
Screw size, No.	7	7	7	8	8
Screw holes	2	2	4	4	4
App. Wt. doz., lbs.	⅜	½	¾	1¼	2

Plain Wrought Steel.

2 dozen in a box.

SHELF BRACKETS



No. 140.

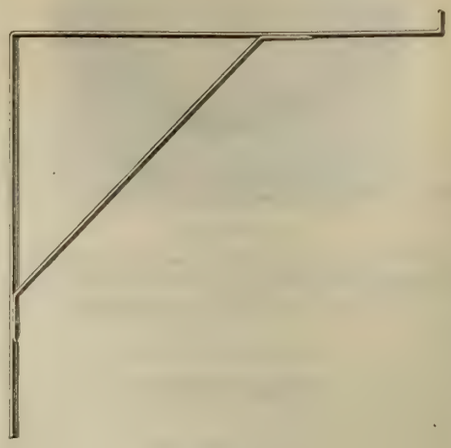
Size, ins.	Width, ins.	Screw No.	App. wt. doz. prs., lbs.	List per doz. pairs
3x4	⅞	7	2¼	1.80
4x5	15/16	9	3½	2.50
5x7	15/16	9	6	3.70
6x8	15/16	9	7	4.30
7x9	17/16	12	9	5.30
8x10	17/16	12	11	6.20
10x12	1⅛	14	15	8.60
12x14	1⅛	14	18½	14.00

Pressed Steel; Japanned

Corrugated frame; folded brace; light in weight; great supporting power; without screws.

½ dozen pairs in a box.

SHELF BRACKETS

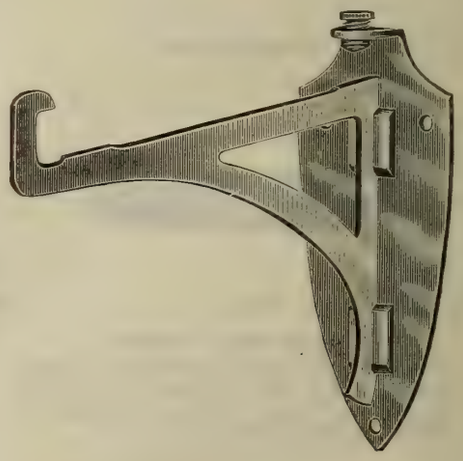


For Glass Shelves

No. NP.5511. List per dozen pairs 11.60

Wrought Steel; Nickel Plated.

Size:—4¾ x 6 inches, ½-inch wide; takes No. 6 R. H. screws; average weight per dozen pairs, 3¾ pounds; without screws.
½ dozen pairs in a box.



For Glass Shelves.

No. NP.5516. List per dozen pairs 18.40

Wrought Steel; Nickel Plated.

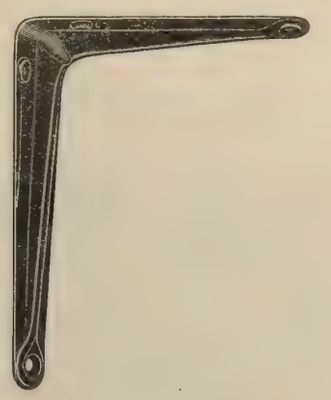
Shelf arm takes 5 x ⅜-inch shelving; with hook; wall bracket 4¾ inches long; 1⅝ inches wide; takes No. 6 R. H. screws; average weight per dozen pairs, 6¼ pounds.

½ dozen pairs in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

H S HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

SHELF BRACKETS



ONE-PIECE.

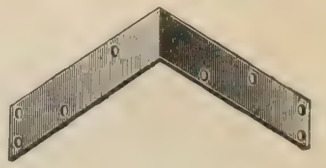
No. 88J— Size, inches ...	3x4	4x5	5x6	6x8
List doz. pairs	2.40	3.00	4.00	5.00
Wt. dz. prs. lbs.	2	2½	3½	7¼
Doz. prs. in box	5/6	5/6	1/2	1/2

Japanned Wrought Steel.

One-piece, drawn up without cross brace; light in weight; neat and inconspicuous; great supporting power; maximum width, 1 5/16 inches. Takes No. 7 screws; packed without screws.

Packed as above.

CORNER IRONS



SARGENT

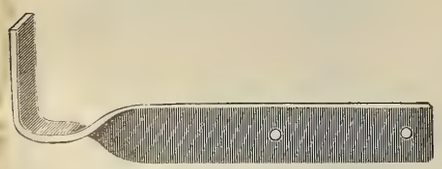
No. 14 x 1 inch. List per dozen 1.60

Plain Wrought Steel.

Length 4½ x 4½ inches; width, 1 inch; 14 gauge; 4 screw holes countersunk outside for No. 10 F. H. screws; average weight per box, 2½ pounds.

10/12 dozen in a box.

ANCHOR IRONS

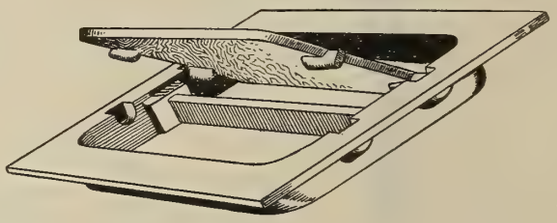


Style	Short	Long
List per 100	20.50	44.00
Length, inches	11	39
App. wt. each, lbs.	1⅜	3¼

Made from malleable iron strips 1½ inches wide with 2½ inch bend; short irons are half twisted as illustrated, long irons are not twisted; punched holes.

Open stock.

ASH DUMPS



"Boston". List per dozen 8.70

"Single."

Grey cast iron; double pivot dump plate; size over all, 6½ x 9½ inches; flange 5 x 7¾ inches, depth, 3/4 inch; average weight per dozen, 34 pounds.

Open stock.

HAND RAIL BRACKETS

No. T402. List per dozen 3.80

Cast Iron; Amber Bronzed.

Height, 4¼ inches; width, 2⅜ inches; projection, 2⅞ inches; average weight per dozen, 6¼ pounds.

1 dozen in a box, with screws.

No. 1121. List per dozen 5.70

Cast Iron; Amber Bronzed.

Height, 4¾ inches; projection, 4½ ins.; distance to centre of rail, 3½ inches; wall plate, 1¾ x 3¾ inches; average weight per dozen, 9 pounds.

½ dozen in a box, with screws.

No. 210. List per dozen 10.00

Cast Iron; Amber Bronzed.

3½ inch projection; height, 5 inches; base 1¾ x 4¼ inches; average weight per dozen, 9 pounds.

¼ dozen in a box, with screws.

HAND RAIL SCREWS

No. 52.

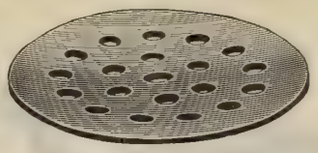
Length, inches	4½
List per gross	21.20
App. weight gross, lbs.	22

Wrought Steel; Two Nut.

$\frac{5}{16}$-inch bolt; threaded on both ends for splicing stair rail joints.

¼ gross in a box.

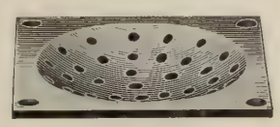
GRATINGS



Round.

Size	4	6
List per dozen	2.50	3.20
Diameter, ins.	4¾	6⅜
For tile, inches	4	6
App. weight doz., lbs.	9	13

Common Cast Iron.
Packed loose.



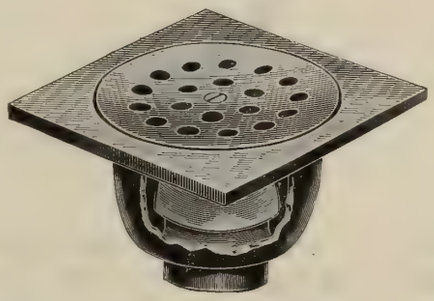
Square Dish Plates.

5½ inch. List per dozen 5.00

Common cast iron 5½ inches square; 4¾ inch bowl; average weight per dozen 25 pounds.

Packed loose.

CESS POOLS

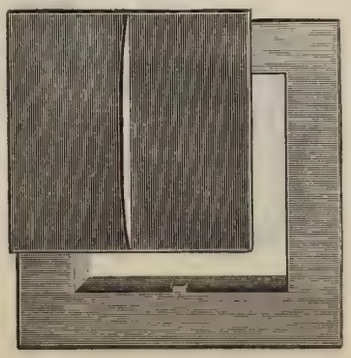


Standard Bell Trap.

Size	6 x 6	9 x 9
List each	1.30	3.20
Size of plate, ins.	6 x 6	8½ x 8½
Diam. of grate, ins.	4¾	7
Depth, inches	3¼	5⅛
Outlet, inches	1⅞	2¾
App. Wt. each, lbs.	5½	12¼

Common cast iron; packed loose.

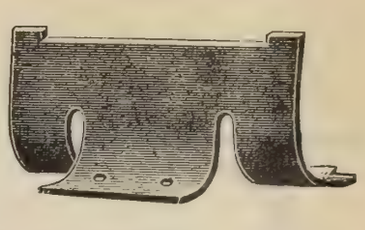
SOOT DOORS



Size	6 x 9	9 x 9
List per dozen	15.00	20.00
Size over all, ins.	11½ x 8	12 x 12
Size of opening, ins.	4 x 7⅝	8 x 8
Depth of flange, ins. ...	2	2⅛
App. Wt. each, lbs.	6¼	10¾

Cast Iron.
Packed loose.

FOOT SCRAPERS



No. 14. List per dozen 2.50

All Steel; Japanned.

6 inches wide; 2⅞ ins. high; 14 gauge; takes No. 12 R. H. screws; average weight per dozen, 5 pounds; without screws.

1 dozen in a box.

No. 2. List per dozen 3.20

Cast Iron; Japanned.

5⅞ inches long over all; 4½ inch scraper bar; 2⅜ inches high; countersunk for two No. 12 F. H. screws; average weight per dozen, 6 pounds, without screws.

1 dozen in a box.

CEILING HOOKS

No. 25. List per gross 7.90

Japanned Steel Wire.

No. 10 gauge wire, with screw point; 3½ inches across; 2-inch drop; average weight per gross, 9 pounds.

½ gross in a box.

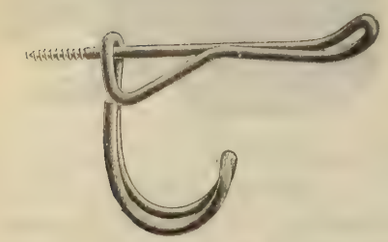
No. 222. List per gross 9.30

Coppered Steel Wire.

No. 10 gauge wire, with screw point; 3¼ inches across; 2 inch drop; full parallel wires of single strand; metal clasp at base; average weight per gross, 10 pounds.

½ gross in a box.

HAT AND COAT HOOKS

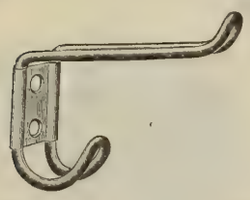


3-inch. List per gross 2.50

Coppered Wire.

10-gauge wire with screw point; projects 3 inches; height 2 inches; average weight per gross, 7¼ pounds.

½ gross in a box.

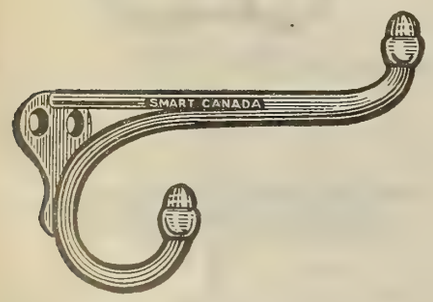


No. NP.503. List per gross 12.00

Steel Wire; Nickel Plated.

No. 9 gauge wire; full parallel wires; projects 3 inches; height 2½ inches; plate ¾ x 1 inch; takes two No. 7 screws; average weight per gross, 6½ pounds; without screws.

½ gross in a box.



Cast Iron, Japanned.

No. 03. List per gross 12.90

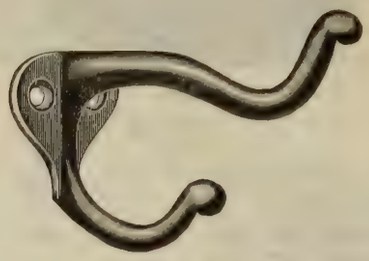
Projects 3⅛ inches; height 2½ inches; wall plate 1 x 1¼ inches; takes two No. 7 F. H. screws; average weight per dozen, 1 pound.

No. 0133. List per gross 17.20

Projects 3½ inches; height 3 inches; wall plate 1 x 1¼ inches; takes two No. 7 F. H. screws; average weight per dozen, 1½ pounds.

Without screws.

½ gross in a box.



No.	Finish	List per gross
500.	Amber Bronzed	14.00
OC.510.	Old Copper	22.00
DB.515.	Dull Brass	22.00

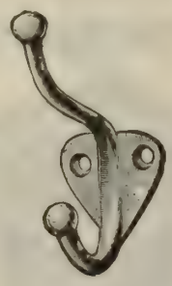
Cast Iron.

Projects 3⅜ inches; height 2½ inches; wall plate 1 3/16 x 1½ inches; average weight per dozen, 1¾ pounds.

With screws.

Nos. 500 and 510, ¼ gross in a box.

No. 515, 1/6 gross in a box.

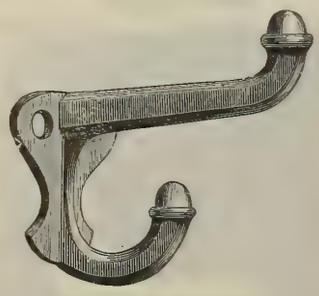


No.	Finish	List per gross
OC.90.	Old Copper	21.80
BB.91.	Bright Brass	21.80

Cast Iron.

Projects 3 inches; height 3¾ inches; wall plate 1⅜ x 1½ inches; average weight per box, 4½ pounds.

1/6 gross in a box, with screws.



Suitable for Schools, Clubs, etc.

No. 22. List per gross 21.60

Cast Iron; Japanned.

Projects 3½ inches; height 3½ inches; plate 1⅜ x 2 inches; takes No. 9 F. H. screws; average weight per dozen, 2 pounds; without screws.

½ gross in a box.

No.	Finish	List per gross
OC.402½.	Old Copper	30.00
DB.502½.	Dull Brass	30.00

Cast Iron.

Projects 2½ inches; height 3¾ inches; wall plate 1 x 1½ inches; average weight per box, 6 pounds.

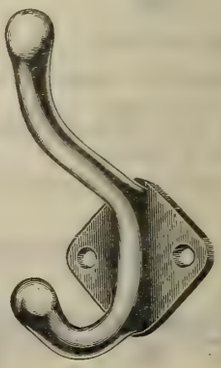
1/6 gross in a box, with screws.

No.	Finish	List per gross
OC.403½.	Old Copper	37.30

Cast Iron.

Projects 3⅝ inches; height 5⅛ inches; wall plate 1⅛ x 1⅝ inches; average weight per box, 4¾ pounds.

1 dozen in a box, with screws.



Bathrobe.

No. NP.28193. List per dozen 7.00

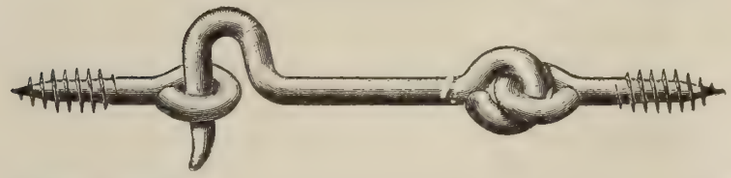
Cast Iron; Nickel Plated.

Projects 2¼ inches; height 3½ inches; takes two No. 7 F. H. screws; average weight per dozen, 1½ pounds; without screws.

5 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

BRASS GATE HOOKS AND EYES



Length, inches	2	2½
List per gross	11.00	13.50
App. wire gauge No.	4	6
App. wt. gross, lbs.	5	7

Bright Brass; 1/4 gross in a box.
Sold only in full boxes.

CABIN DOOR HOOKS

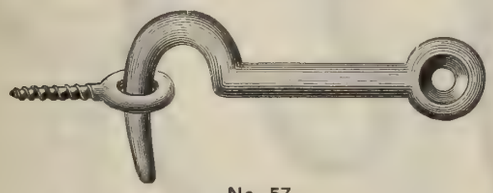
3½-inch. List per dozen 6.50

Brass, Polished.

Hook 3½ inches over all; oval plates ⅞ x 1⅜ inches; average weight per dozen, 1½ pounds.

3 dozen in a box, with screws.

HOOKS AND EYES



No. 57.

Length, inches	1½
List per gross	7.50
Takes screws, No.	4
Approximate weight gross, lbs.	1¾

Coppered Malleable Iron.

Oval hook, for either right or left hand; bright steel wire eyes; without screws.

1 gross in a box.

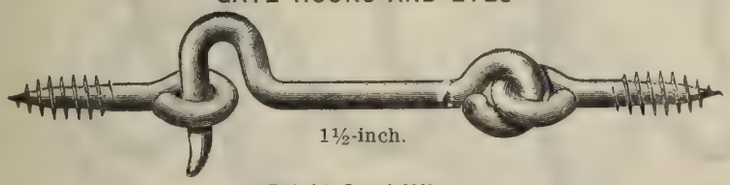
No. 61. Brass.

Length, inches	1	1½
List per gross	10.00	11.00
Takes screws, Nos.	2	4
App. weight gross, lbs	¾	1¼

Light; Gilt Finish; double convex eyes for either right or left hand; with screw eyes; without screws.

1 gross in a box.

GATE HOOKS AND EYES



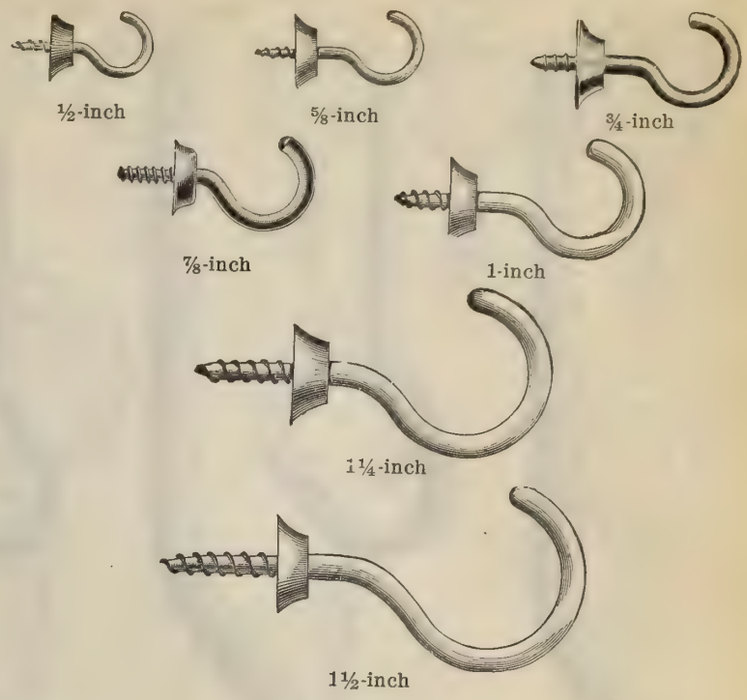
1½-inch.

Bright Steel Wire.

Length, inches.	Screw gauge Nos.	App. wire gauge Nos.	App. weight gross, lbs.	Mfgs. Standard list, gross	List per gross
1½	6	10	3½	6.50	2.30
2	7	9	5	8.00	2.80
2½	8	8	7	10.00	3.50
3	9	7½	9	12.00	4.20
3½	10	7	11	14.50	5.10
4	11	6	12½	17.00	5.96
4½	12	5	15½	20.00	7.00
5	13	4½	21	24.00	8.40
6	13	4½	23	30.00	10.50
12	13	4½	33	48.00	16.80

1½ to 2½ inch, 1 gross in a box.
3 to 6 inch, ½ gross in a box.
12 inch, ¼ gross in a box.

BRASS CUP HOOKS



No. 81

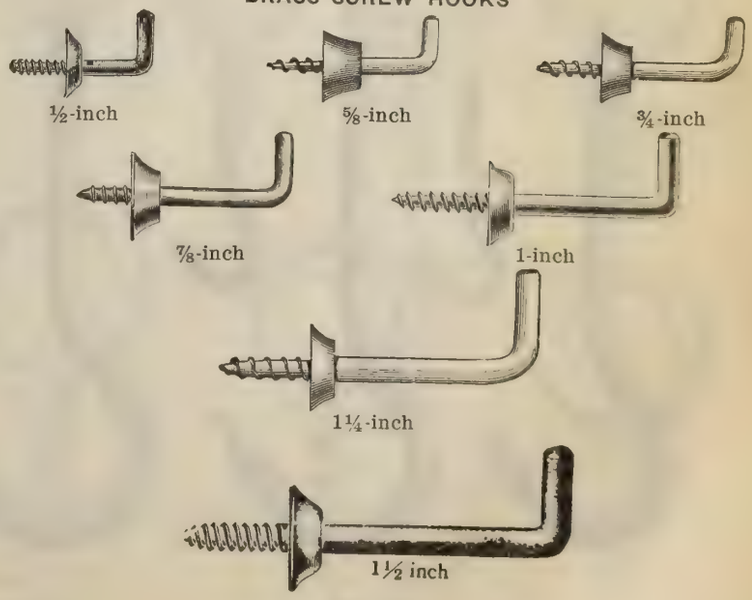
Projection, inches	App. Weight per 100 in lbs.	List per 100
½	¼	1.90
⅝	5/16	2.00
¾	7/16	2.10
⅞	⅝	2.20
1	¾	2.60
1¼	1⅜	4.50
1½	2	5.50

Brass Wire, Lacquered.

Screw point; forged collar.

100 in a box.

BRASS SCREW HOOKS



No. 412.

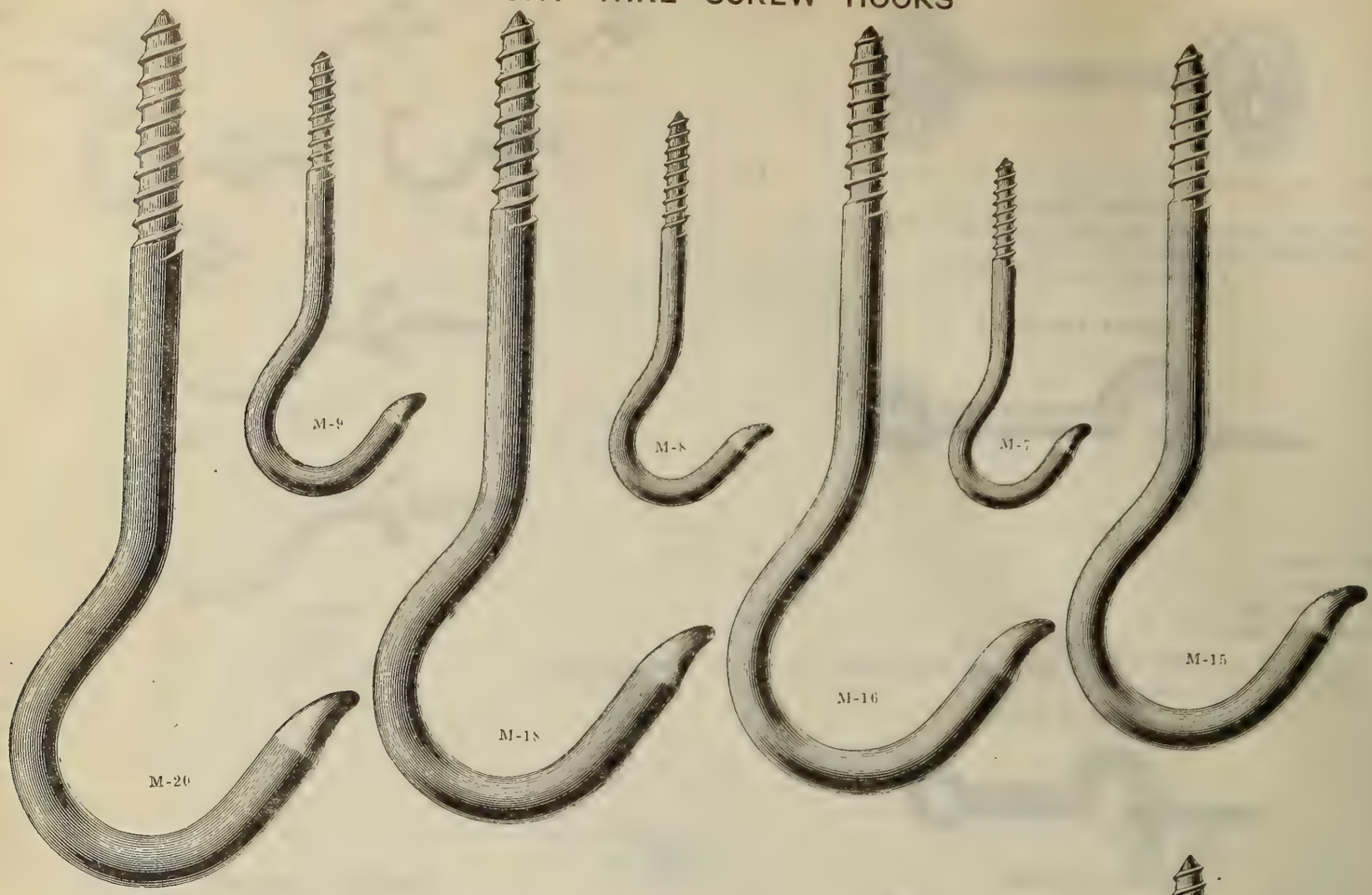
Inches	½	⅝	¾	⅞	1	1¼	1½
List per 100	1.90	2.00	2.10	2.20	2.60	4.50	5.50
App. wt. 100, in lbs.	3/16	¼	5/16	½	¾	1⅜	1½

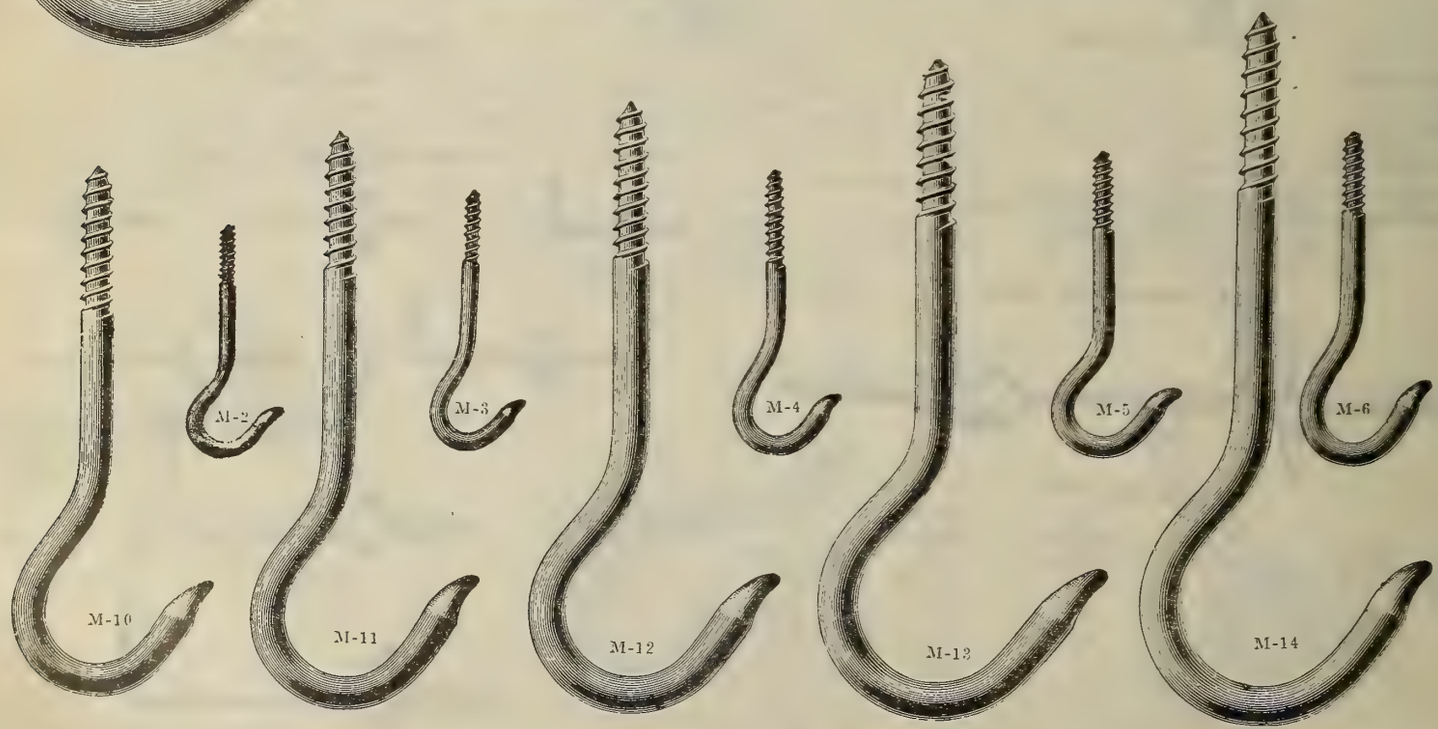
Brass Wire; Lacquered.

Square shouldered; screw point; with collar; sizes denote the length of the projection.

100 in a box.

BRIGHT WIRE SCREW HOOKS





SUIT M.

Bright Steel Wire.

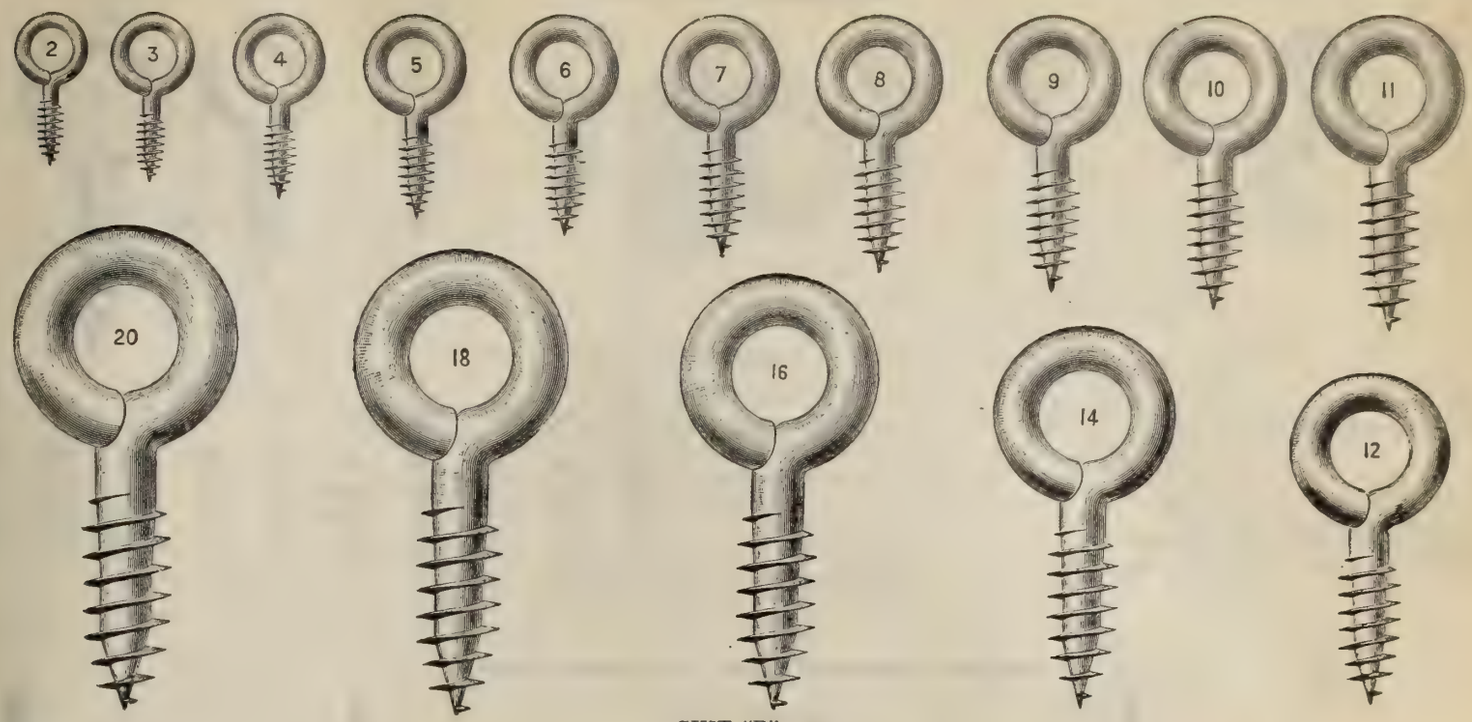
Nos. (Screw gauge sizes)..	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11	M12	M13	M14	M15	M16	M18	M20
List per gross	.70	.82	.90	1.18	1.06	1.24	1.40	1.60	2.10	2.80	3.16	3.50	4.40	4.82	5.26	7.36	10.50
Length, inches	1¼	1½	1 3/16	1 11/16	1⅞	1 15/16	2¼	2 9/16	2¾	3 1/16	3¼	3⅜	3½	4	4½	4¾	5⅛
App. Wire ga. sizes (Std.)..	14	13	12	11½	10	9½	8	7½	6½	5½	5	5	4½	3½	3	1½	0½
App. wt. gross, lbs.	⅜	⅝	¾	1	1½	2	2½	3¼	4	4⅜	5½	7¼	8	10¾	12½	17	21
Mfgs. standard list; gross.	2.00	2.30	2.50	2.80	3.00	3.50	4.00	4.50	6.00	8.00	9.00	10.00	12.50	13.75	15.00	21.00	30.00

Nos. M3 to M12, one gross in a box; Nos. M13 to M20, half gross in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

BRIGHT WIRE SCREW EYES

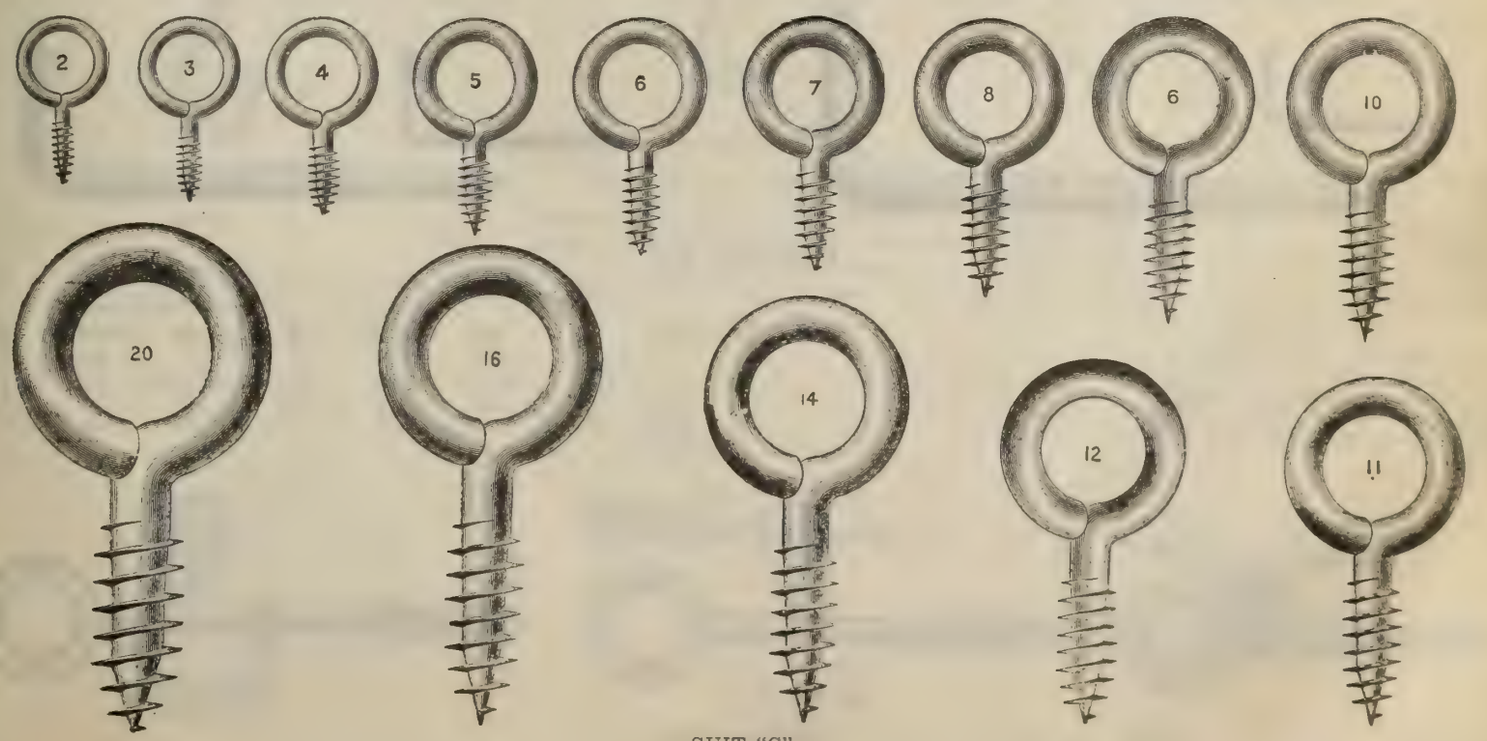


SUIT "B"

Nos. (Screw gauge sizes)	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B14	B16	B18	B20
List per gross	.52	.52	.52	.60	.70	.88	.98	1.14	1.54	1.58	2.04	2.28	3.16	3.86	5.60	10.50
Length, inches	13/16	7/8	1	1	1 1/8	1 1/8	1 5/16	1 3/8	1 1/4	1 5/8	1 3/4	1 7/8	2 1/16	2 3/8	2 1/2	2 11/16
App. wire gauge, Nos.	15	13 1/2	13	12	11	10	9	8	7 1/2	7	9	5 1/2	3 1/2	2 1/2	1 1/2	0 1/2
App. wt. gross, lbs.	1/4	3/8	1/2	5/8	3/4	1	1 1/2	2	2 3/8	2 3/4	3 1/4	4	5 3/4	8	10 3/4	13 1/2
Mfgs. standard list, gross	1.50	1.50	1.50	1.70	2.00	2.50	2.80	3.30	3.80	4.50	5.80	6.50	9.00	11.00	16.00	30.00

Bright Steel Wire.

Sizes 1 to 14, 1 gross in a box; Nos. B16 to B20, ½ gross in a box.



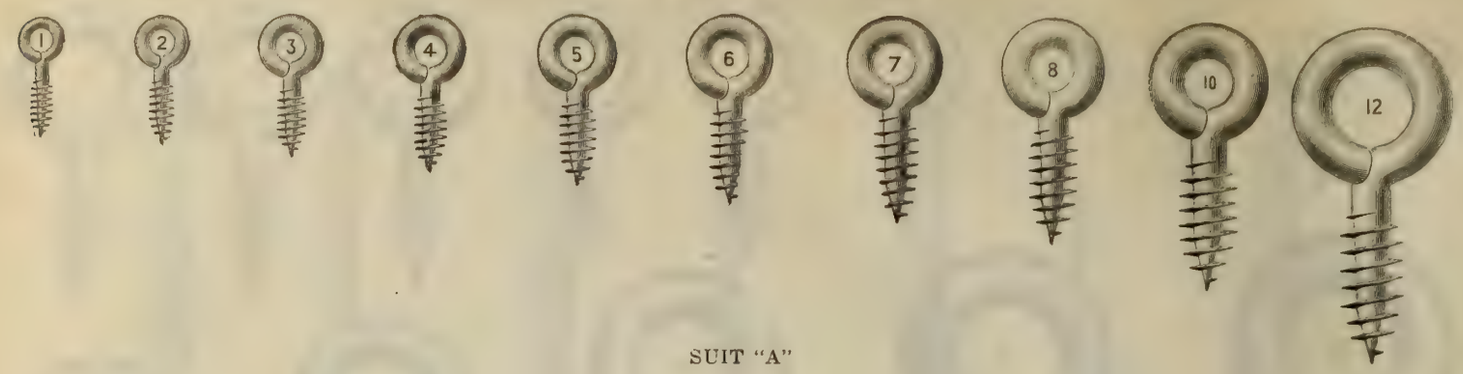
SUIT "C"

Nos. (Screw gauge sizes)	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C14	C16	C20
List per gross	.52	.52	.52	.60	.70	.88	.98	1.14	1.54	1.58	2.04	2.28	3.16	3.86	10.50
Length, inches	15/16	1	1 1/8	1 1/4	1 5/16	1 5/16	1 7/8	1 17/32	1 17/32	1 1/4	1 15/16	1 15/16	2 1/8	2 5/8	3
App. wire gauge, Nos.	15	14	13	12	11	10	9	8	7	6 1/2	6	5	4	3	0 1/2
App. Wt. gross, lbs.	3/8	7/16	5/8	3/4	1	1 3/8	1 3/4	2 1/4	2 3/4	3 1/2	4	4 1/2	6 1/2	9	16
Mfgs. standard list, gross	1.50	1.50	1.50	1.70	2.00	2.50	2.80	3.30	3.80	4.50	5.80	6.50	9.00	11.00	30.00

Bright Steel Wire.

Nos. 1 to 14, 1 gross in a box. Nos. 16 to 20, ½ gross in a box.

BRIGHT WIRE SCREW EYES

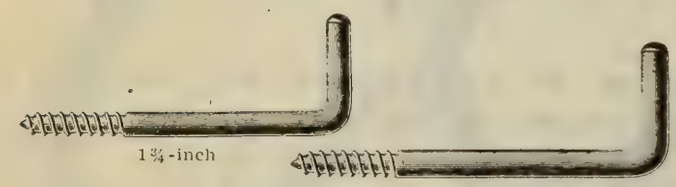


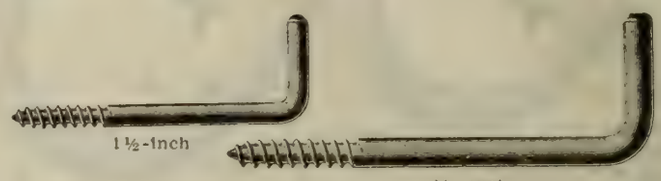
SUIT "A"

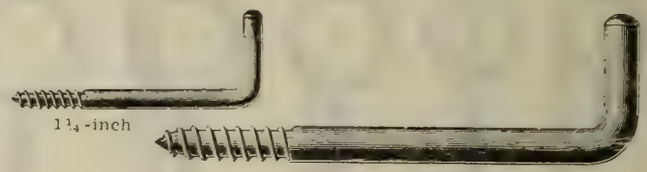
Nos. (Screw gauge sizes)	A1	A2	A3	A4	A5	A6	A7	A8	A10	A12
List per gross	.52	.52	.52	.58	.70	.90	.98	1.16	1.58	2.28
Length, inches	5/8	3/4	13/16	7/8	31/32	1	1 1/4	1 3/8	1 7/16	1 5/8
Approximate Wire Gauge, Nos.	15	13	13	12	10 1/2	9 1/2	8 1/2	[illegible]	6 1/2	5
Approximate Weight Gross, pounds	3/16	1/4	3/8	1/2	3/4	7/8	1 3/8	1 3/4	2 1/4	3 1/4
Manufacturers Standard List, gross	1.50	1.50	1.50	1.70	2.00	2.50	2.80	3.30	4.50	6.50

Bright Steel Wire; 1 gross in a box.

SQUARE CORNERED SCREW OR CORNICE HOOKS





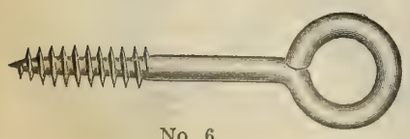


Bright Steel Wire

Length, inches	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3
List per gross	.88	.88	.98	1.06	1.22	1.40	1.58	2.80
Screw gauge, Nos.	4	4	5	6	7	8	9	10
Approximate Wire Gauge, Nos.	12	11 1/2	11	10	9	8	7 1/2	7
Approximate Weight Gross, pounds	1/2	5/8	7/8	1 1/4	1 3/4	2 1/2	3	4
Manufacturers Standard List, gross	2.50	2.50	2.80	3.00	3.50	4.00	4.50	8.00

1 gross in a box.

STOVE PIPE SCREW EYES



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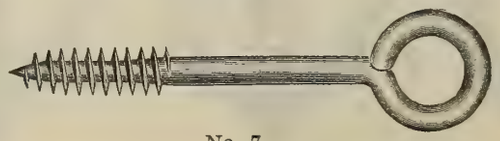

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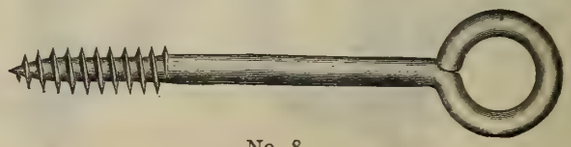


No. 8.

Bright Steel Wire.

Nos. (Screw gauge sizes)	6	7	8
List per gross	1.20	1.48	1.76
Length, inches	2	2 1/2	3
Approximate Wire Gauge, Nos.	10	8 1/2	8
Approximate Weight Gross, Lbs.	1 1/2	2 1/2	3 1/4
Manufacturers Standard List, gross	3.50	4.25	5.00

1 gross in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

CHANDELIER HOOKS

No. 410.

Screw, inches	3	4	8
List per dozen	3.40	3.80	4.80
Projects, inches	3	3	3
App. Wt. doz., lbs.	2¼	2½	3¾

Amber Bronzed.

Steel Wire rod hook; cast collar.

1 dozen in a box.

No. 240. List per dozen **5.10**

Cast Iron; Tuscan Bronzed.

Three inch steel screw; 2½ inch hook; 1¾ inch plate; average weight per doz., 3¾ pounds.

1 dozen in a box.

No. 260. List per dozen **1.10**

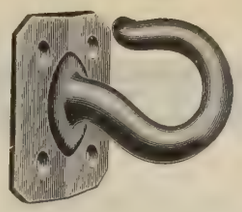
Cast Iron; Tuscan Bronzed.

To screw on ⅜-inch pipe.

2⅝ inches long over all; average weight per dozen, 2 pounds.

1 dozen in a boz.

CLOTHES LINE HOOKS



No. 2. List per dozen **2.10**

Cast Iron; Japanned.

Plate 2 x 2 inches; hook projects 2 ins.; ⅜-inch diameter; takes four No. 8 F. H. screws; average weight per dozen, 2¾ pounds; without screws.

2 dozen in a box.

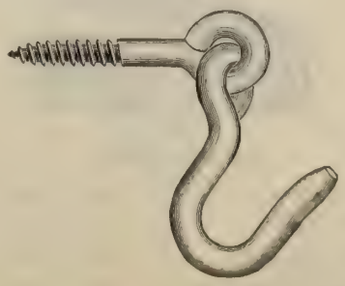
HAMMOCK HOOKS

No. 119. List per single dozen **2.20**

Wrought Steel; Galvanized.

One-piece "V" plate 1⅞ x 1¾ inches; $\frac{5}{16}$-inch hook, 3¼ inches long; takes four No. 9 R. H. screws; average weight per dozen, 3 pounds; without screws.

1 dozen in a box.



No. 149. List per single dozen **2.20**

Wrought Steel; Galvanized.

To screw; hook $\frac{5}{16}$ x 3¼ inches long; screw eye $\frac{5}{16}$ x 3¾ inches; average weight per dozen, 3½ pounds.

1 dozen in a box.

LINE CLEATS

For Clothes Lines, Awning Stays, etc.

No. 103. List per dozen **2.20**

Japanned.

Cast iron; 2½-inch arm; 1⅜ inch base; takes two No. 7 F. H. screws; average weight per dozen, 1⅝ pounds; without screws.

2 dozen in a box.

No. 111. List per dozen **2.50**

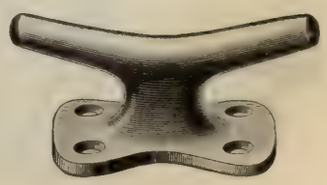
Galvanized.

Cast iron; 1⅞ inch arm; 1 inch base; takes two No. 5 F. H. screws; average weight per dozen, 13 ounces; without screws.

No.	Length ins.	Finish	App. Wt. doz. lbs.	List per doz.
104	4½	Japanned	¾	2.20
114	4½	Galvanized	¾	2.50
105	5⅞	Japanned	1⅜	3.30
115	5⅞	Galvanized	1⅜	4.00
106	7⅞	Japanned	2	4.60

Malleable Iron.

2 dozen in a box.



No. 107. Japanned. List per doz. **4.30**

No. 117. Galvanized. List per doz. **7.60**

Cast Iron.

3⅜ inch arm; base 1⅛ x 2½ inches; takes four No. 9 F. H. screws; average weight per dozen, 2¼ pounds.

1 dozen in a box.

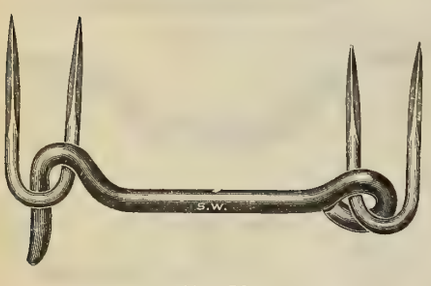
WROUGHT STAPLES

No. 155. Bright.

Length inches.	App. wt. per gross, lbs.	List per gross
1	¾	1.14
1¼	1	1.14
1½	1½	1.20
1¾	1¾	1.40
2	2¾	1.60
2½	5½	2.00
3	6½	3.00
3½	9¼	3.50
4	11	5.00
4½	14¼	6.10

2¾-inch and smaller, 1 gross in a box. Larger sizes, ½ gross in a box.

WIRE HOOKS AND STAPLES



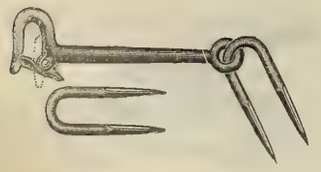
No. 50.

Size, inches	¼x4	¼x5	5/16x5	5/16x6
List per gross	10.80	12.00	17.30	21.70
App. wt. gross, lbs.	25	26	29	33

Heavy Wrought Hook; with 2½ inch staples; bright finish.

¼ gross in a box.

GATE HOOKS AND STAPLES



No. 100.

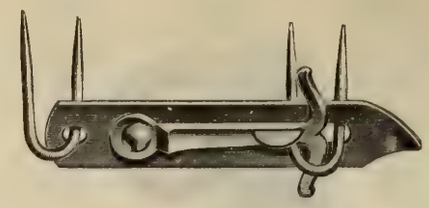
6 inch. List per gross 103.20

Self Locking.

Tinned malleable iron hook; 5/16 inch; 2¼ inch Tinned Wrought Steel staples; latch tongue is controlled by concealed coil spring; average weight per gross, 26 lbs.

1/6 gross in a box.

HASPS, HOOKS AND STAPLES



No. 30; Light Weight.

Length, inches	6	7	8
List per dozen	1.10	1.30	1.40
App. Wt. Doz., lbs.	3⅝	4	4⅝

No. 130; Heavy Weight.

Length, inches	8
List per dozen	3.60
App. Wt. Doz., lbs.	5½

Wrought Steel, Bright Finish.

Plate 1⅛ inches wide; double hook with thumb piece; 2½ inch staples.

1 dozen in a box.

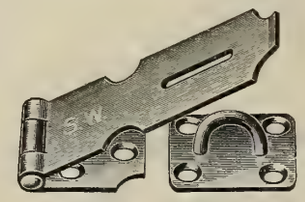
HINGE HASPS

No. 912.

Length of strap, ins.	3	4½	6	8
List per doz. pairs	3.50	4.00	4.50	7.00
Width, joint, ins.	1⅛	1¼	1⅝	1¾
Screw size, Nos.	6	7	9	10
App. Wt. doz., lbs.	2	3	5	8

Plain Wrought Steel.

Wired in pairs.



No. 815—Safety.

Length, inches (Of long leaf)	3	4½	6
List per doz. pairs	2.30	2.40	4.20
Width joint, ins.	1½	1½	1⅞
Screw size, No.	6	6	8
App. Wt. doz., lbs.	3	4¼	8

Wrought Steel, Bright Finish.

Single hinge; fast staple; fast pin; concealed screw holes; without screws.

1 dozen in a box.

HINGE HASPS

No. 925—Safety.

Length, inches (Of long leaf)	4½	6
List per dozen, pairs	4.40	6.70
Width, inches	1⅛	1 9/16
Screw size, Nos.	7	9
App. Wt. Doz., lbs.	2¾	6½
Full boxes, doz.	1	½

Wrought Steel, Bright Finish.

Double hinged; fast staple; fast pin; concealed screw holes; without screws.

No. 941J. Japanned. List per dozen 16.40

Fast pin; slightly offset; extreme length 8 inches; width 1¾ inches; 3/32-inch thick; countersunk for No. 12 F. H. screws; with square hole cut to receive 5/16-inch carriage bolt; staple plate 1¾ x 2½ inches; average weight per dozen, 13 pounds.

½ dozen in a box, with screws.

CRATE HASPS

No. F. List per dozen pairs 2.90

Plain Wrought Steel.

Length of each strap, 3¼ inches; width at joint, 1⅛ inches; takes No. 5 F. H. screws; plain swivel catch; average weight per dozen, 30 ounces.

In Bulk.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

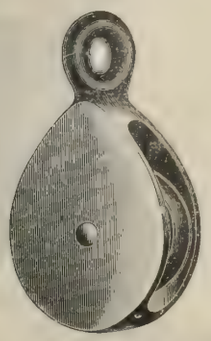
AWNING OR TACKLE PULLEYS

Solid Eye, Single Wheel.

No. 74. Japanned.

Size wheel, ins.	½	⅝	¾	1	1¼	1½	2	2½
List per doz...	.90	1.00	1.10	1.36	1.60	2.00	3.40	5.60
For rope, ins..	⅛	3/16	3/16	¼	¼	5/16	7/16	⅝
Av. wt. doz., lbs.	⅞	1¼	1½	2⅛	2½	4¾	9¾	19½
Doz. in box ...	1	1	1	1	1	1	½	½

Cast Iron.



Solid Eye, Single Wheel.

No. 174. Galvanized.

Size wheel, ins.....	½	¾	1	1¼	1½	2	2½
List per dozen	1.20	1.70	2.00	2.30	3.50	6.80	11.60
For rope, inches	⅛	3/16	¼	¼	5/16	7/16	⅝
Av. wt. doz., lbs.	⅞	1½	2⅛	2½	4¾	9¾	19½
Dozen in a box	1	1	1	1	1	½	½

Cast Iron.

Swivel Eye, Single Wheel.

No. 73. Japanned.

Size wheel, inches...	½	⅝	¾	1	1¼	1½	2
List per dozen	1.40	1.60	2.04	2.60	3.10	4.10	8.20
For rope, inches	⅛	3/16	3/16	¼	¼	5/16	7/16
Av. wt. doz., lbs.	¾	1	1½	2	3	4½	9
Doz. in a box	1	1	1	1	1	1	½

Cast Iron.

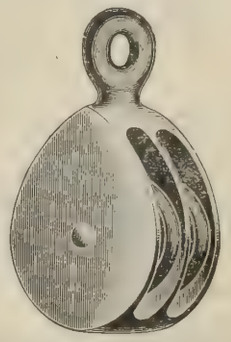
AWNING OR TACKLE PULLEYS

Swivel Eye, Single Wheel.

No. 173. Galvanized.

Size wheel, inches	1	1¼	1½	2
List per dozen	3.50	4.60	6.40	12.80
For rope, inches.	¼	¼	5/16	7/16
Av. wt. doz., lbs.	2	3	4½	9
Dozen in a box	1	1	1	½

Cast Iron.



Solid Eye, Double Wheel.

No. 76. Japanned.

Size wheel, inches	1	1¼	1½
List per dozen	1.76	2.30	3.30
For rope, inches	¼	¼	5/16
Av. wt. doz., lbs.	4	4¼	7½

Cast Iron.

1 dozen in a box.

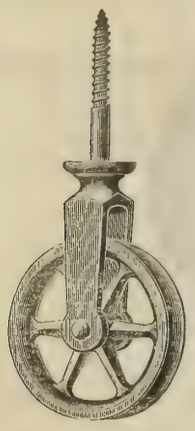
Solid Eye, Double Wheel.

No. 176. Galvanized.

Size wheel, inches	1½	1¾	2
List per dozen	3.00	5.00	6.00
For rope, inches	5/16	⅜	7/16
Av. wt. dozen, lbs.	8½	11½	17½
In box	1	1	½

Cast Iron.

SCREW PULLEYS



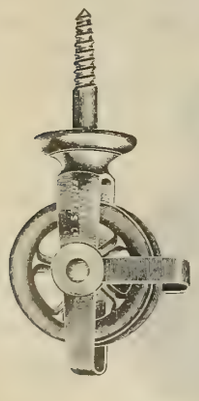
No. 45—Single Wheel.

Size wheel, inches..	¾	1	1¼	1½
List per dozen	1.00	1.10	1.20	1.40
For rope, inches ..	3/16	¼	¼	¼
Length screw, ins. ..	1⅛	1⅛	1⅛	1¼
App. wt. doz., lbs...	¾	⅞	1⅛	1½
Size wheel, ins.....	1¾	2	2½	3
List per dozen	1.80	2.10	3.40	4.40
For rope, ins	5/16	5/16	⅜	7/16
Length screw, ins. ..	1⅝	1⅝	2	2
App. wt. doz., lbs. ..	2	2½	2¾	8½

Cast Iron, Japanned.

1 to 2 inch, 2 dozen in a box.
2½ to 3 inch, 1 dozen in a box.

SCREW PULLEYS

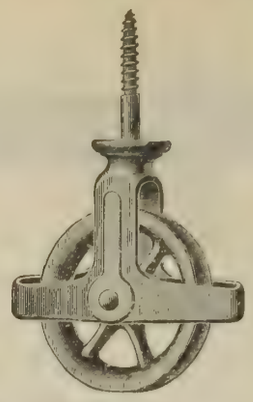


No. 46—Incased.

Size wheel, inches	1½
List per dozen	3.30
For rope, inches	¼
Length screw, inches	1⅛
Av. wt. dozen, lbs.	2¼

Cast Iron, Japanned.
2 dozen in a box.

SCREW PULLEYS



No. 44—Incased.

Size wheel, inches	2	2½
List per dozen	3.60	5.60
For rope, inches	5/16	⅜
Length screw, inches	1½	2
App. wt. doz., lbs.	3½	5¾

Cast Iron, Japanned.

Wrought Steel Screw.
1 dozen in a box.

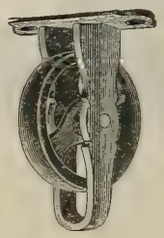
No. 36—Single Wheel.

Size wheel, inches	⅝	1
List per dozen	2.60	4.00
For rope, inches	⅛	¼
Length screw, inches	⅞	⅞
App. wt. doz., lbs.	½	1

Wrought Brass, Polished.

Threaded Steel Screw; Cast Brass Wheel; wrought brass fork and cup.
1 dozen in a box.

UPRIGHT PULLEYS



No. 55.

Size wheel, inches	2	2½
List per dozen	2.80	4.00
For rope, inches	5/16	⅜
Takes screws, Nos.	9	10
App. wt. dozen, lbs.	3¾	6

Cast Iron, Japanned.
1 dozen in a box.

SWIVEL PULLEYS

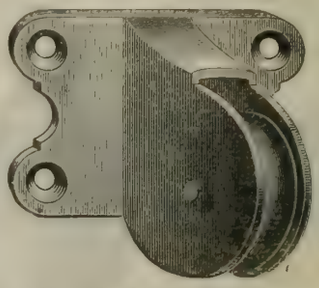
No. 42, Incased.

3-inch. List per dozen	9.20

Cast Iron, Japanned.

Swivel eye; single wheel; for ⅜-inch rope; average weight per dozen, 9 lbs.
1 dozen in a box.

HOT HOUSE PULLEYS



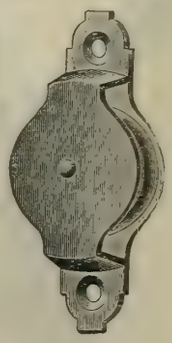
No. 85—Single Wheel.

Size wheel, inches	2	2½
List per dozen	7.20	12.00
For rope, inches	5/16	⅜
Takes screws, Nos.	12	12
App. wt. dozen, lbs.	8½	12

Cast Iron, Japanned.

Solid frame without screws.
1 dozen in a box.

SIDE PULLEYS



No. 25—Single Wheel.

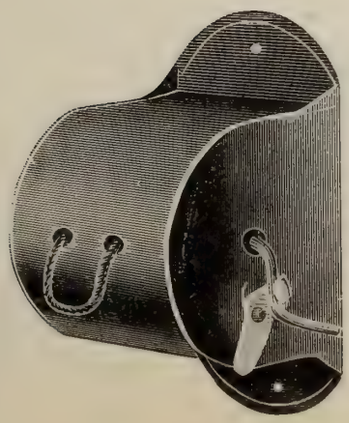
Size wheel, ins.....	1½	1¾	2	2¼	2½
List per dozen	1.90	2.10	2.20	2.60	4.20
For rope, inches	¼	5/16	5/16	⅜	⅜
Takes screws, Nos. ..	8	10	11	11	12
Wt. doz., lbs.	3½	5	6	7¼	12½

Cast Iron—Japanned.
1 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

INDOOR CLOTHES LINE REELS



No. 1. List per dozen 3.30

Without Stop; Black Japanned Finish.

Consists of 20 feet of cotton clothes line enclosed in a stamped metal, dust proof case 3 x 3 x 2½ inches; bright heavy wire crank handle; length of back, 5 inches; average weight per dozen, 3¾ pounds.

1/12 dozen in a package.

No. 2. List per dozen 7.30

With Stop; Green Enamelled.

Consists of 30 feet of cotton clothes line, enclosed in a stamped metal dust proof case 3 x 3 x 2½ ins.; bright heavy wire crank handle with stop on side permitting any required length of line to be used; length of back, 5 inches; average weight per dozen, 4½ pounds.

1/12 dozen in a box, with screws.

DUMB WAITER PULLEYS

No. 40. List per dozen 9.60

Heavy Cast Iron.

2¾ x ⅝ inch wheel; will take half inch rope; 6 x 1⅜ inch face; rivetted axle; take No. 16 F. H. screws; average weight per dozen, 13½ pounds.

2/3 dozen in a box.

TURNBUCKLES

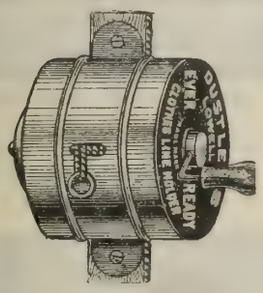
No. 400. List per dozen 8.80

Double Eye.

Galvanized iron; steel screws ¼ inch diameter, right hand thread; 2¼ inch extension; length over all, closed, 5 inches; average weight per dozen, 2¼ pounds.

2 dozen in a box.

CLOTHES LINE REELS



"Ever Ready." List per dozen 11.50

Dustless.

Consists of 36 feet of cotton clothes line, enclosed in green japanned tin case 3 x 3 inches; galvanized ratchet crank with black wood handle; particularly suitable for indoor use; average weight per dozen 9 pounds, complete with screws.

1/12 dozen in a box.

CLOTHES LINE PULLEYS

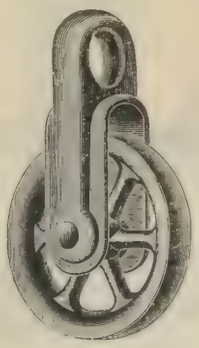
No. 60. List per dozen 3.00

Cast Iron, Japanned.

2 inch wheel, for ½-inch rope; knot passing frame with guard and safety loop; average weight per dozen, 5¼ pounds.

1 dozen in a box.

CLOTHES LINE PULLEYS



No. 65. List per dozen 2.80

Cast Iron, Japanned.

2½ inch open wheel, for $\frac{5}{16}$ inch rope; solid eye; average weight per dozen, 5 pounds.

1 dozen in a box.

No. 465. List per dozen 5.00

Cast Iron, Galvanized.

1¾-inch solid wheel; for half inch rope; knot passing frame; solid eye; average weight per dozen, 5¾ pounds.

1 dozen in a box.

No. 63—Incased

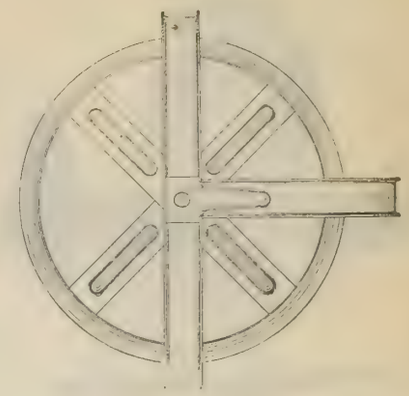
Size wheel, inches	2½	3
List per dozen	5.70	6.60
For rope, inches	$\frac{5}{16}$	⅜
App. wt. dozen, lbs.	5¾	7½

Cast Iron, Japanned.

Open frame; solid eye.

1 dozen in a box.

CLOTHES LINE PULLEYS

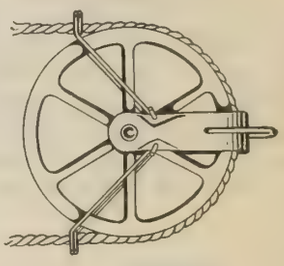


"Superior." List per dozen 6.50

Pressed Steel; Galvanized.

All pressed steel, hot galvanized; 5½-inch wheel; grooved to take up to half inch rope; especially suitable for wire clothes lines; rigid guard, easy running; rust-proof; strong and durable; average weight per dozen, 7½ pounds.

4 dozen in a case.

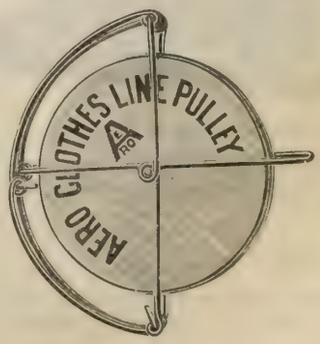


"Rollston." List per dozen 6.90

Japanned.

Cast wheel 5 inches in diameter grooved to take lines up to $\frac{5}{16}$-inch diameter; eye and adjustable line guards of No. 9 wire; flat steel yoke; for either fibre or wire rope; average weight per dozen, 8 lbs.

Open Stock.

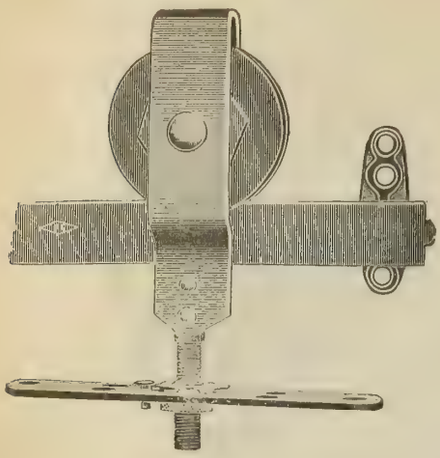


"Aero." List per dozen 9.60

6-inch oil treated solid hard-wood wheel, grooved to take lines up to $\frac{5}{16}$-inch; especially suitable for wire clothes lines; No. 9 Galvanized Wire Frame; tested for steady strain of 450 pounds; average weight per dozen, 10½ pounds.

Open Stock.

PARLOR DOOR HANGERS



No. 103½. Single. List per set 5.00

2 hangers, with 8 feet of track; average weight per set, including track, 14 pounds.

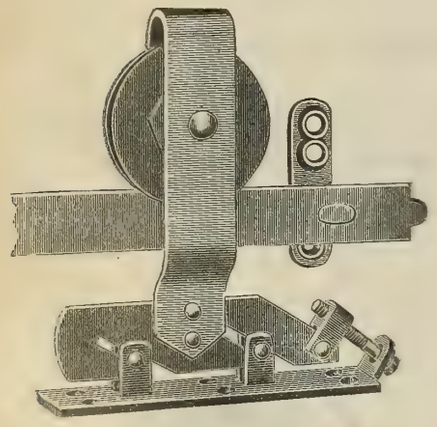
No. 103. Double. List per set 10.00

4 hangers; with 14 feet of track; average weight per set, including track, 28 pounds.

Roller Bearing.

All steel; 3½ inch wheel with fibre, noiseless tread; hardened steel roller bearings; adjusting nut extends through the base plate by which the hang of the door is adjusted; complete with stops, strike plates, floor guides and screws. Steel track 1¼ x $\frac{3}{16}$ inch with brackets.

1 set in a box, with fixtures.



No. 105½. Single. List per set 5.00

2 Hangers, with 8 feet of track; approximate weight per set, including track, 15 pounds.

No. 105. Double. List per set 10.00

4 Hangers, with 14 feet of track; average weight per set, including track, 30 pounds.

Roller Bearing.

All steel; 3½ inch wheel with fibre tread; hardened steel roller bearings; steel housing and adjusting pendant; hardened steel adjusting screws; with stops, strike plates, flour guides and screws; steel track 1¼ x $\frac{3}{16}$ inch with brackets.

1 set in a box, with fixtures.

PARLOR DOOR HANGER TRACK

Flat.

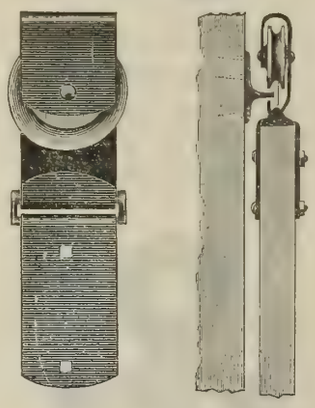
7-ft. lengths. List per 100 ft. 29.00

8-ft. lengths. List per 100 ft. 29.00

All Steel, Japanned.

1¼ x $\frac{3}{16}$ inch, round edge flexible steel with rivetted bracket; average weight, 1 pound per foot.

BARN DOOR HANGERS



"Storm King." List per dozen pairs 22.70

Roller Bearing.

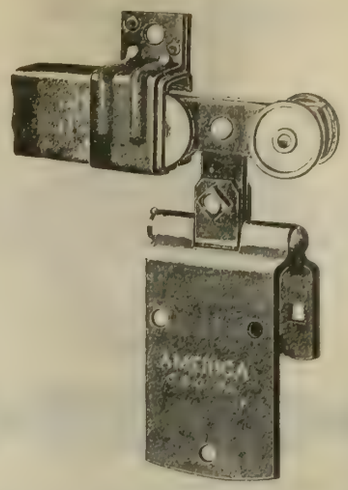
Hinged, Swing-Out Hanger.

Japanned steel frame and pendant; malleable hinge link; hardened steel roller bearings and axle; 3¼ inch wheel; 4¾ x 2½ inch strap; the frame is turned up at the bottom forming a lug on which the door is hung; also preventing the hanger from jumping the track; average weight per pair, 5¾ pounds; one pair in a carton with bolts.

Without Track.

1 dozen pairs in a case.

BARN DOOR HANGERS



"America." List per dozen pairs 37.20

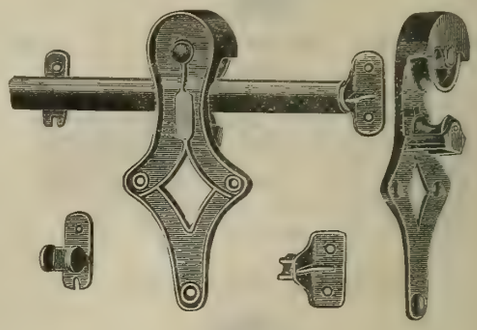
Trolley Hanger.

Roller Bearing, Swing-Out Hanger.

Japanned steel pendant 3 x 6 inches; 4-wheel truck 6 inches long, wheels 2 inches in diameter; antifriction forged steel yolks; each pair of hangers includes 2 end caps; bolts for hanger and large screws for brackets; average weight per pair, 6¼ pounds; 1 pair in a carton.

Without Track.

1 dozen pairs in a case.



"RELIABLE."

No. 2. List per dozen pairs 36.30

Round Track Hangers.

Roller Bearing.

Japanned 1 piece iron frame and hood, 5½ x 11½ inches; with upper and lower rollers; upper roller 2½ inches diameter, with hardened steel roller bearings; the lower roller fits underneath the track effectually preventing the hanger from jumping the track; will carry 600 pound doors with supports every two feet; average weight per pair, 7½ pounds. 1 pair in a carton with bolts and 2 end track brackets.

Without Track.

1 dozen pairs in a case.

CASTERS

No. 3. List per set..... .30

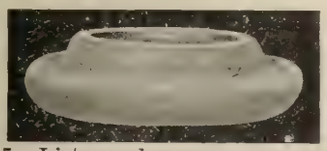
Plain Horn; For Small Metal Beds and Cots.

Bright finish; 20 gauge cold rolled steel wheel 7/8 inches diameter, 1/2 inch wide; plain horn of 14 gauge steel; springs of 20 gauge steel, with good tension; 7/8 inch track plate; 7/16 x 1¾ inch pin; for tubes 13/16 inch diameter; average weight per set of four, 8 ounces.

Open stock.

GLASS CASTER CUPS

Made of heavy pressed glass, for use under all kinds of furniture, prevents marking the floors and makes for ease in moving the heavier articles.



No. 2545. List per dozen 1.10

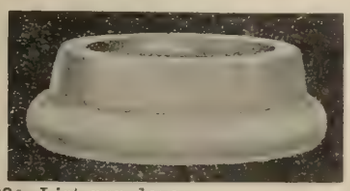
Outside diameter 2 7/16 inches, inside diameter 1 5/16 inches; average weight per dozen, 2 pounds.

1 dozen in a package.

No. 2544. List per dozen 1.20

Outside diameter 2 7/16 inches; inside diameter 1⅛ inches; average weight per dozen, 3 pounds.

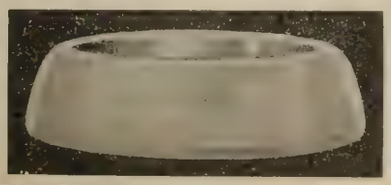
1 dozen in a package.



No. 2538. List per dozen 1.20

Outside diameter 2⅝ inches, inside 1¾ inches diameter; average weight per dozen, 2 pounds.

1 dozen in a package.



No. 2546. List per dozen 1.40

Outside diameter 2 31/32 inches, inside diameter 2 3/16 inches; average weight per dozen, 4 pounds.

1 dozen in a package.

SLIDING FURNITURE SHOES

"ONWARD."

No. AA-8. List per set ..... .84

Mott Metal Base.

Wishbone Bushing for Metal Beds.

Plain oiled tin housing; non-rustable hard set polished metal base 2 inches diameter; spring steel stem; preferably for rough, tile or marble floors; length over all, 4 inches; average weight per dozen sets, 6½ pounds.

1/2 dozen sets (4 in a set) in a box.

"ONWARD."

No. EE-8. List per set 1.40

Glass Base.

Wishbone Bushing for Metal Beds.

Nickel plated housing; 2 inch diameter heavy pressed glass base; length over all, 4 inches; for use on carpets, matting and polished hardwood floors; spring steel stem prevents falling out; average weight per dozen sets, 8 pounds.

1/2 dozen sets (4 in a set) in a box.

SLIDING FURNITURE SHOES

"ONWARD."

Nos.	A-4	A-5	A-6	A-8
List set	.42	.50	.56	.64
Diam. inches..	1	1¼	1½	2
Length, inches	1½	1½	1⅞	1⅜
App. wt. doz. sets, lbs. ...	1¾	2¼	4	5¾
Doz. in a box.	1	1	1/2	1/2

Mott Metal Base.

Plain oiled tin housing; non-rustable hard set polished metal base; short spring steel stem, for wood furniture; preferably for rough, tile, or marble floors.

Packed as above.

"ONWARD."

Nos.	F-5	F-6	F-8	F-12
List set	1.06	1.12	1.40	2.80
Diam. inches..	1¼	1½	2	3
Length, ins. ..	2	2	2½	3
App. wt. doz. sets, lbs. ...	3½	4¼	8	10½
Doz. sets in box	1/2	1/2	1/2	1/4

Glass Base.

Nickel plated housing; heavy pressed glass base; short spring steel stem for wood furniture; for use on carpets, matting and polished hardwood floors.

Packed as above.

BARN DOOR HANGERS

No. 321. List per dozen pairs 34.00

Trolley Hanger.

Roller Bearing, Swing-Out.

For doors weighing approximately 300 pounds.

Japanned wrought steel two-piece pendant, 3½ inches wide, 6 inches long; adjustable for doors 1¾ to 2½ inches thick; removable hinge pin. Tandem truck with four grey iron, lathe turned, smooth wheels 2⅛ inches diameter; extra heavy steel roller bearings; lateral adjustment clevis; average weight per pair, 7 pounds; one pair in a box with bolts and blinds for end brackets.

Without Track.

1 dozen in a case.

BARN DOOR HANGER TRACK

"STORM KING"

Flat.

4-ft. lengths. List per 100 ft. 18.00

6-ft. lengths. List per 100 ft. 18.00

8-ft. lengths. List per 100 ft. 18.00

10-ft. lengths. List per 100 ft. 18.00

For "Storm King" and Other Flat Track Hangers.

Japanned, flexible flat steel, 1¼ inches wide, $\frac{3}{16}$ inch thick; with round edge; malleable iron brackets securely rivetted, average weight 1 pound per foot.

BARN DOOR HANGER TRACK

Round.

No. 2. "RELIABLE."

4-ft. lengths. List per 100 ft. 28.60
3 brackets with 2 lengths.

6-ft. lengths. List per 100 ft. 28.60
5 brackets with 2 lengths.

8-ft. lengths. List per 100 ft. 28.60
7 brackets with 2 lengths.

10-ft. lengths. List per 100 ft. 28.60
9 brackets with 2 lengths.

For No. 2 "Reliable" Hangers.

Japanned tubular steel; 1¼ inches outside diameter; furnished with intermediate brackets as above; two end brackets are supplied with the hangers; average weight per 100 feet, 120 pounds.

No. 31.

Trolley Track.

6-ft. lengths. List per 100 ft. 33.00

8-ft. lengths. List per 100 ft. 33.00

10-ft. lengths. List per 100 ft. 33.00

For "America", No. 321 and Other Trolley Hangers.

Japanned steel, 16 gauge, 2⅜ x 1⅞ ins.; without brackets; brackets should be used at each end and at each joint; average weight per 100 feet, 170 pounds.

Wired in bundles of 6 lengths.

BARN DOOR TRACK BRACKETS

No. 1 x 31. No. 2 x 31.

For No. 31 Track.

No. 1 x 31. Centre. List per dozen 3.60

No. 2 x 31. End. List per dozen 3.60

Black enamelled steel; end brackets are closed making the track bird proof; brackets should be used at each end and at each joint, and intermediate brackets not over 3 feet apart. No brackets with hangers. No. 1 x 31 brackets are packed 4 dozen in a carton with $\frac{7}{16}$ x 2½ inch lag screws; average weight with lag screws, 1 pound.

Open Stock.

BARN DOOR STAY ROLLERS

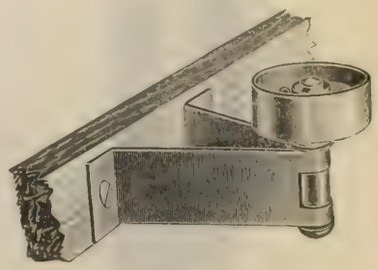
No. 2. List per dozen 2.70

To screw.

For outside doors only.

Japanned finish; wrought iron screw 8 x $\frac{7}{16}$ inch; cast iron oval faced wheel 2 inches diameter; average weight per dozen, 6 pounds.

Open Stock.



No. 1. List per dozen 3.00

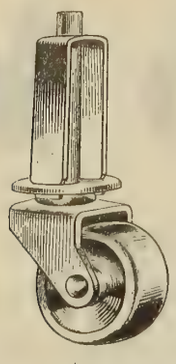
Hinged.

For outside or inside doors.

Wrought steel hinged brace 1½ inches wide; cast iron roller 2 inches diameter, ¾ inch wide; takes two No. 14 screws or $\frac{5}{16}$ inch bolts; average weight per dozen, 8½ pounds.

Open Stock.

CASTERS

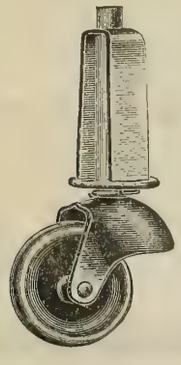


"Giant." List per set ..... .40

Plain Horn; for Metal Beds.

Bright finish; 20 gauge cold rolled steel wheel 1¼ inches diameter, 23/32 inch wide; plain horn of 14 gauge steel; springs of 20 gauge steel, with good tension; 1⅛ inch track plate; ¼ x 2 inch steel pin; for tubes 1 1/16 inch outside diameter; average weight per set of four, 9¾ ounces.

Open Stock.

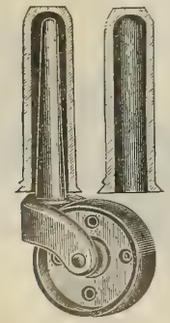


No. 5. List per set ..... .42

Bell Horn; for Metal Beds.

Bright finish; 20 gauge cold rolled steel wheel 1¼ inches diameter, 23/32 inch wide; bell horn rolled from 16 gauge steel; springs of 20 gauge steel give good tension; 1⅛ inch track plate; ¼ x 2 inch steel pin; for tubes 1 1/16 inch outside diameter; average weight per set of four, 10 ounces.

Open Stock.



No. 2. List per set ..... .52

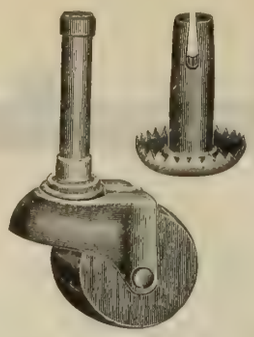
Cast Iron, Coppered Finish.

For Wood Beds.

One-piece stem and horn; wheel 1½ ins. diameter; ½-inch face; stem 2⅛ x ⅜-inch, two-piece cast socket; average weight per set of four, 9 ounces.

6 sets in a package.

CASTERS



"Rugby."

No.	30	40	50	60
List per set	.38	.40	.44	.48
Diam. wheel, ins.	1 1/16	1⅛	1¼	1¾
Face wheel, ins.	9/16	9/16	⅝	⅝
App. wt. set, ozs.	7	7¼	7½	8

Maple Wheel.

Bell Horn; Grip Neck Socket.

Stamped steel bell horn; steel stem 1½ inches long; steel axle; ⅜ x 1⅛ inch socket.

6 sets in a box.

"Universal."

No. 403 x 26. List per set ..... .35
Lignum-Vitae Wheel.

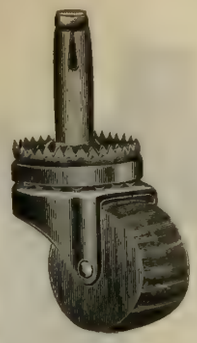
No. 403 x 28. List per set ..... .40
Steel Wheel.

Fox Stem; Grip Neck Socket.

Bright steel horn and stem; rivetted steel axle; wheel 1 1/16 inch diameter, 9/16-inch face; 1 inch track plate; No. 3 socket to fit ⅜ x 1⅞ inch bore; average weight per box, 2⅞ pounds.

6 sets in a box.

CASTERS



"Steel Gem."

No.	356	456	656
List per set	.74	.80	.92
Diam. wheel, ins.	1 1/32	1 3/16	1⅜
Face wheel, inches	⅝	⅝	25/32
Top plate, inches	1	1	1¼
Height, inches	1⅝	1¾	2
App. wt. set, ozs.	11	12	14

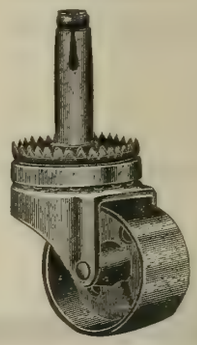
Lignum Vitae Wheel.

Fox Stem; Grip Neck Socket.

Roller Bearings; Anti Friction.

Rolled steel horn and plate; wrought steel stem and axle; hardened steel roller discs; bore ⅜ inch hole for spring socket.

1 set (of 4) in a box.



"Steel Gem."

No.	355	455	655	755
List per set	.80	.90	1.02	1.16
Diam. wheel, ins.	1 1/32	1 1/16	1⅜	1½
Face wheel, inches	⅝	⅝	25/32	25/32
Top plate, inches	1	1	1¼	1¼
Height, inches	1⅝	1¾	2	2⅛
App. wt. set, ozs.	12	13	15	19

Iron Wheel.

Fox Stem; Grip Neck Socket.

Roller Bearing; Anti-Friction.

Rolled steel horn and plate; wrought steel stem and axle; hardened steel roller discs; bore ⅜-inch hole for spring socket.

1 set (of 4) in a box.

CASTERS

"Bassick."

Type	AE	AF	AG
List per set	1.50	1.90	2.30
Diam. wheel, ins.	$1\frac{1}{16}$	1¼	1½
Face wheel, ins.	⅝	⅝	23/32
App. wt. set, ozs.	11	12	17

Polished Sheet Brass Wheel.
Grip Neck "Diamond Velvet" Socket.
Fibre Bearing.

Polished, brass plated, rolled steel horn; plated steel stem 1¾ inches long; steel axle; socket has fibre bearings at both top and bottom; ⅜-inch bore.

1 set (of 4) in a box.

"Bassick."

Type	AA	AB	AC
List per set	2.30	3.00	3.80
Diam. wheel, ins.	$1\frac{1}{16}$	1¼	1½
Face wheel, ins.	½	½	⅝
App. wt. set, ozs.	10	11	16

"Feltoid" (quiet) Wheel.
Grip Neck "Diamond Velvet" Socket.
Fibre Bearing.

Polished. brass plated, rolled steel horn; plated steel stem 1¾ inches long; steel axle; socket has fibre bearings at both top and bottom; ⅜-inch bore.

1 set (of 4) in a box

CASTERS

"Bassick."

Type	AH
List per set	2.70
Diam. wheel, ins.	1½
Face, wheel, ins.	23/32
App. wt. set, ozs.	20

Polished Sheet Brass Wheel.
"Diamond Velvet" Socket.
Fibre Bearing.

Polished, brass plated, rolled steel horn; plated steel stem; steel bushings; wheels have hard wood filler; for extra heavy furniture; ½-inch bore.

1 set (of 4) in a box.

"Universal."

No. 533 x 26. List per set ..... .48
Lignum-Vitae Wheel.

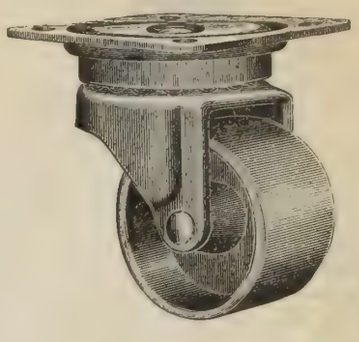
No. 533 x 28. List per set ..... .52
Steel Wheel.

Oblong Plate; Steel Ball Bearing.

Bright steel horn and plate; rivetted steel axle; wheel $1\frac{1}{16}$ diameter, $\frac{9}{16}$ inch face; plate 1½ x $1\frac{3}{16}$ inch; height over all 1⅝ inches; drilled for No. 5 screws; average weight per box, 3 pounds.

6 sets in a box.

CASTERS



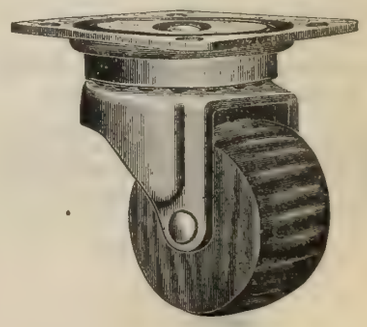
"Steel Gem."

No.	351	451	651	751
List per set	.80	.90	1.02	1.16
Diam. wheel, ins.	$1\frac{1}{16}$	$1\frac{3}{16}$	$1\frac{3}{8}$	1½
Face wheel, ins.	⅝	⅝	$\frac{25}{32}$	$\frac{25}{32}$
Size plate, ins.	1½	1½	1⅞	1⅞
Height, inches	1⅝	1¾	2	2⅛
Screw size, No.	9	9	9	9
App. wt. set, ozs.	12	13	16	18

Square Plate, Iron Wheel.
Roller Bearing; Anti-Friction.

Polished; rolled steel horn and plate; hardened steel roller discs; steel axle; without screws.

1 set (of 4) in a box.



"Steel Gem."

No.	352	452	652	752
List per set	.74	.80	.92	1.04
Diam. wheel, ins.	$1\frac{1}{16}$	$1\frac{3}{16}$	$1\frac{3}{8}$	1½
Face wheel, ins.	⅝	⅝	$\frac{25}{32}$	$\frac{25}{32}$
Size plate, ins.	1½	1½	1⅞	1⅞
Height, inches	1⅝	1¾	2	2⅛
Screw size, No.	9	9	9	9
App. wt. set. ozs.	10	11	14	16

Square Plate, Lignum Vitae Wheel
Roller Bearing; Anti-Friction.

Rolled steel horn and plate; steel axle; hardened steel roller discs; easy running; without screws.

1 set (of 4) in a box.

CASTERS

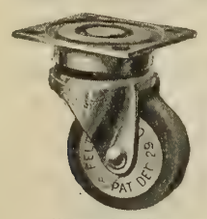
"Bassick."

Type	AK
List per set	1.90
Diam. wheel, ins.	1¼
Diam. wheel, ins.	9/16
Size plate, ins.	1½
Height, ins.	1⅞
Screw size, No.	9
App. wt. set, ozs.	13

Polished Sheet Brass Wheel; Square Plate. Roller Bearing; Anti-Friction.

Polished, brass plated, rolled steel horn and plate; steel axle; hardened steel roller discs; easy running; without screws.

1 set (of 4) in a box.



"Bassick."

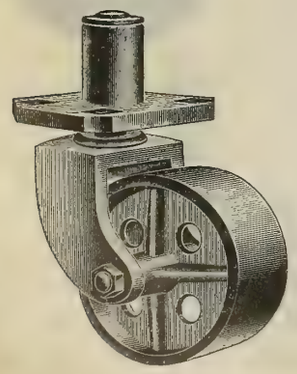
Type	AJ
List per set	3.00
Diam. wheel, ins.	1¼
Face, wheel, ins.	½
Size, plate, ins.	1½
Height, ins.	1⅞
Screw size, No.	9
App. wt. set, ozs.	9

"Feltoid" (quiet) Wheel; Square Plate. Roller Bearing; Anti Friction.

Polished, brass plated, rolled steel horn and plate; steel axle; hardened steel roller discs; easy running; without screws.

1 set (of 4) in a box.

TRUCK CASTERS



Swivel Stem.

No. 834. List each 1.80

Japanned, Cast Iron.

3⅞ x 1⅛ inch wheel; 5/16 inch fast axle; plate 2⅞ x 2⅞ inch; stem 1⅜ inch high, 1 inch diameter; height from top of plate to floor 5¼ inches; requires four 5/16-inch carriage or machine bolts; average weight per dozen, 32 pounds.

Open Stock.

TRUCK CASTERS

Stationary Plate.

No. 824. List each 1.60

Japanned, Cast Iron.

3¾ x 1 inch wheel; 5/16-inch fast axle; plate 5 x 3 inches; height 5⅛ inches; takes ⅜ inch carriage or machine bolts; average weight per dozen, 33 lbs.

Open Stock.

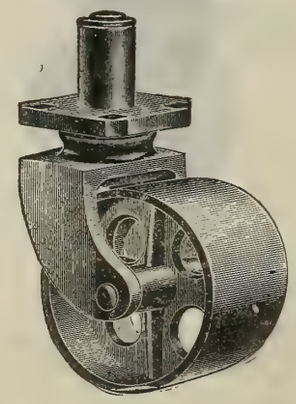
Stationary Plate.

No. 845. List each 3.00

Japanned, Cast Iron.

Noiseless turned wheel, 4⅛ x 1¼ inches; ⅜-inch machine bolt axle; 5¼ x 3⅝ inch plate; height from top of plate to floor, 5½ inches; takes four ⅜ inch carriage or machine bolts; average weight per dozen, 50 pounds.

Open Stock.



Swivel Stem.

No. 855. List each 4.50

Noiseless turned wheel; 4⅛ x 1¼ inches; ⅜ inch machine bolt axle; 3½ x 3½ inch plate; stem 2 inches high, 1¼ inches diameter; height from top of plate to floor 5⅝ inches; takes four ⅜ inch carriage or machine bolts; average weight per dozen, 48 pounds.

Open Stock.

TRUCK CASTERS

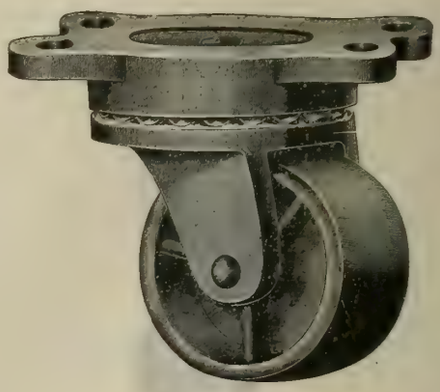
Swivel Plate.

No.	12	13
List per set	3.70	5.20
Diam. wheel, ins.	2½	3⅛
Face wheel, ins.	1¼	1⅜
Size plate, ins.	3¾x2¾	4x3⅛
Height, ins.	3⅜	4⅛
Screw size, No.	18	18
App. wt. set, lbs.	7	9

Roller Bearing; Anti Friction.

Extra heavy gauge steel plate and horn; heavy steel axle; heavy cast iron wheel; 5/16 inch ball bearings; an extra strong caster.

Open Stock.



Swivel Plate.

No.	437	637	937	1037
List per set	1.80	2.40	5.80	7.30
Diam. wheel, ins.	1⅝	2	3	4
Face wheel, ins.	⅞	⅞	1 5/16	1 5/16
Size plate, ins.	2¾x2	3x2¼	4½x3½	3⅜x4½
Height, ins.	2⅜	2⅝	4¼	5⅜
Screw size, No.	11	11	18	18
App. wt. set, lbs.	2½	3	12½	15

Roller Bearing, Anti-Friction.

Cast Iron; natural finish; hardened steel roller discs; easy running; without screws.

Open Stock.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

PADLOCKS

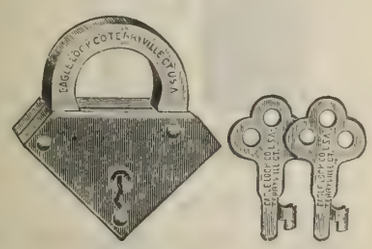
"Eagle"

No. 4422. List per dozen 2.40

1¼-inch Ivory Black Case.

Steel case; nickel plated malleable iron, round, self-locking spring shackle; brass revolving key hub; 2 changes; two flat steel keys; average weight per dozen, 1 pound.

1 dozen in a box.



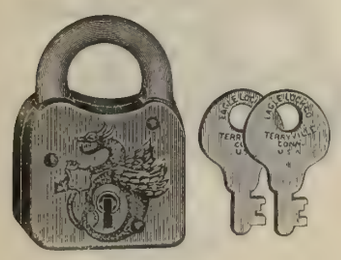
"Eagle"

No. 4066¼. List per dozen 3.50

1⅝-inch Brass Plated Case.

Steel case; brass plated, flat, self-locking shackle; brass revolving key hub; 5 changes; two bent bit, flat steel keys; average weight per dozen, 1½ pounds.

1 dozen in a box.



"Eagle"

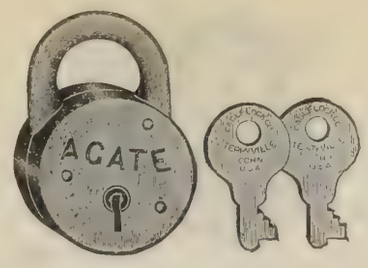
No. 4166¼. List per dozen 3.50

1¾-inch Brass Plated Case.

Steel case; brass plated, self locking spring shackle; brass revolving key hub; 6 changes; two nickel plated flat steel keys; average weight per dozen, 2¼ pounds.

1 dozen in a box.

PADLOCKS



"Eagle"

No. 4078. List per dozen 3.70

1¾-inch Ivory Black Case.

Iron case; nickel plated malleable iron, self-locking spring shackle; brass revolving key hub; 3 changes; two flat steel keys; average weight per dozen, 2¼ pounds.

1 dozen in a box.

"Miller"

No. 478. List per dozen 4.10

1 5/16 inch Black Enamelled Case.

Steel case; malleable iron, brass plated, self-locking spring shackle; brass revolving key hub; 2 nickeled flat steel keys; average weight per dozen, 1 pound.

1 dozen in a box.

"Miller"

No. 100B. List per dozen 4.10

1½ inch Brass Plated Case.

Steel case, embossed; malleable iron, brass plated, self-locking spring shackle; brass revolving key hub; two nickeled flat steel keys; average weight per dozen, 1¾ pounds.

1 dozen in a box.

PADLOCKS

"Miller"

No. 1805. List per dozen 4.10

1⅝ inch Black Enamelled Case.

Steel case; malleable iron, nickel plated, self-locking spring shackle; brass revolving key hub; 2 nickeled flat steel keys; average weight per dozen, 1⅝ pounds.

1 dozen in a box.

"Miller"

No. 1920.B. List per dozen 4.50

1⅞ inch Brass Plated Case.

Steel case; malleable iron, brass plated, self-locking spring shackle; brass revolving key hub; 2 nickeled flat steel keys; average weight per dozen, 2⅜ pounds.

1 dozen in a box.

"Miller"

No. 1920. List per dozen 4.50

1⅞-inch Black Enamelled Case.

Steel case; malleable iron, nickel plated self-locking spring shackle; brass revolving key hub; 2 nickel plated, flat steel keys; average weight per dozen, 2⅜ pounds.

1 dozen in a box.

PADLOCKS

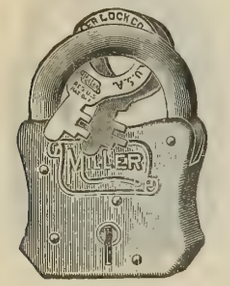
"Miller"

No. 480. List per dozen 5.00

$1\frac{13}{16}$-inch Black Enamelled Case.

Steel case; brass plated malleable iron self locking spring shackle; brass revolving key hub; 2 nickel plated flat steel keys; average weight per dozen, $2\frac{5}{16}$ pounds.

1 dozen in a box.



"Miller"

No. 1905B. List per dozen 5.00

$1\frac{7}{8}$-inch Brass Plated Case.

Steel case; malleable iron, brass plated, self-locking spring shackle; brass revolving key hub; 2 nickeled flat steel keys; average weight per dozen, 2¼ pounds.

1 dozen in a box.

"Miller"

No. 16. List per dozen 5.10

$1\frac{5}{16}$-inch Black Enamelled Case.

Steel case; nickel plated malleable iron self locking spring shackle; brass revolving key hub; 6 changes; 2 nickel plated flat steel keys; average weight per dozen, 1 pound.

1 dozen in a box.

PADLOCKS

"Miller"

No. 18. List per dozen 5.60

1½-inch Black Enamelled Case.

Steel case; nickel plated malleable iron self locking spring shackle; brass revolving key hub; 6 changes; 2 nickel plated flat steel keys; average weight per dozen, 1½ pounds.

1 dozen in a box.

"Miller"

No. 19. List per dozen 6.30

1¾-inch Black Enamelled Case.

Steel case; nickel plated malleable iron self-locking spring shackle; bolted at both heel and nose; brass revolving key hub; 12 changes; 2 nickel plated flat steel keys; average weight per dozen, 2½ pounds.

1 dozen in a box.

"Miller"

No. 2105.B. List per dozen 5.60

2¼-inch Brass Plated Case.

Steel case; malleable iron, brass plated, self-locking spring shackle; brass revolving key hub; 2 nickeled flat steel keys; average weight per dozen, 3½ pounds.

½ dozen in a box.

PADLOCKS

"Eagle"

No. 4015. List per dozen 4.60

1-inch Ivory Black Case.

Steel case; natural finish steel, self locking, side throw spring shackle; key way in rim on the underside; two flat steel keys; average weight per dozen, ½ lb.

1 dozen in a box.

"Eagle"

No.	4016	4018	4020
List per dozen	9.30	10.80	12.80
Size, inches	1	1¼	1¾
App. wt. dozen, lbs.	⅝	1	1¾

Brass Case.

Polished case with oval sides; round brass, self-locking, side throw spring shackle; key way in rim on the under side; 4, 5 and 6 changes; 2 flat steel keys.

1 dozen in a box.

"Eagle"

No. 4092C. List per dozen 6.50

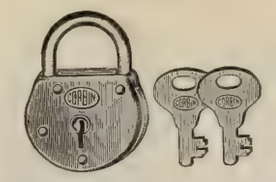
1⅝-inch Ivory Black Case.

Steel case; natural finish steel, self-locking spring shackle; brass revolving key hub; 5 changes; 8½-inch No. 7N bright steel chain secured to shackle with brass clip; two flat nickel plated steel keys; average weight per dozen, 2 pounds.

½ dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

PADLOCKS



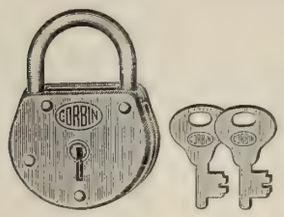
No. 016. Black Japanned. List per dozen 3.10

No. 0216. Brass Plated. List per dozen 3.10

1¼ Inch Case.

Wrought steel case; steel spring shackle self locking; brass revolving key hub; 2 polished steel keys; average weight per dozen, 5/8 pound.

1 dozen in a box.



No. 018. Black Japanned. List per dozen 3.50

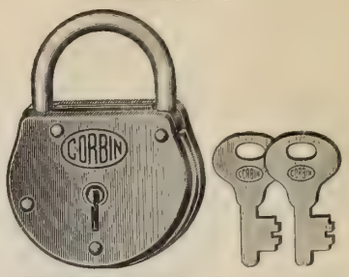
No. 0218. Brass Plated. List per dozen 3.50

1½ Inch Case.

Wrought steel case; steel spring shackle self locking; brass revolving key hub; 2 polsihed steel keys; average weight per dozen, 7/8 pound.

1 dozen in a box.

PADLOCKS



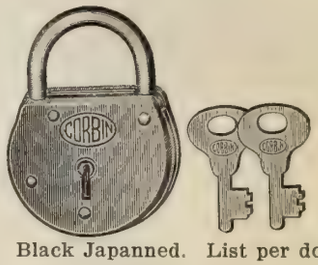
No. 021. Black Japanned. List per dozen 4.70

No. 0221. Brass Plated. List per dozen 4.70

2 Inch Case.

Wrought steel case; steel spring shackle self locking; brass revolving key hub; 2 polished steel keys; average weight per dozen, 1¾ pounds.

1 dozen in a box.



No. 019. Black Japanned. List per dozen 4.00

No. 0219. Brass Plated. List per dozen 4.00

1¾ Inch Case.

Wrought steel case and spring shackle self locking; brass revolving key hub; 2 polished steel keys; average weight per dozen, 1¼ pounds.

1 dozen in a box.

PADLOCKS

"Miller"

No.	8	88
List per dozen	6.80	8.00
Size, inches	1⅝	1⅞
Av. wt. dozen, lbs.	2¼	3¼
Dozen in box	1	½

Black enamelled steel case with brass plated face plate; brass plated self-locking spring shackle bolted at both heel and nose; brass revolving key hub; 12 changes; 2 heavy nickel plated flat steel keys.

"Miller"

No. 21.B. List per dozen 7.60

2-inch Brass Plated Case.

Steel case; malleable iron self-locking spring shackle; bolted at both heel and nose; brass revolving key hub; 12 changes; 2 nickel plated flat steel keys; average weight per dozen, 3 pounds.

1 dozen in a box.

"Miller"

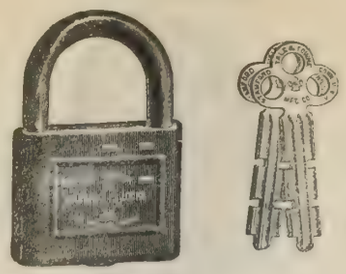
No. 700.B. List per dozen 9.20

2-inch Brass Plated Case.

Heavy wrought case; heavy malleable iron, brass plated, self-locking spring shackle; extra strong interior parts; 6 secure levers; 12 key changes; 2 nickeled, malleable, drilled double bitted barrel keys; average weight per dozen, 4½ pounds.

½ dozen in a box.

PADLOCKS



"Yale."

		List per dozen
No. 115.J.	Ivory Black	9.50
No. 115.X.	Brass Plated	9.50

"Vulcan Jr."

2-inch Steel Case.

Nickel plated round steel, self-locking, side throw spring shackle; brass revolving key hub in rim on the under side; warded type; 6 changes; two nickel plated corrugated steel keys; average weight per dozen, 3½ pounds.

½ dozen in a box.

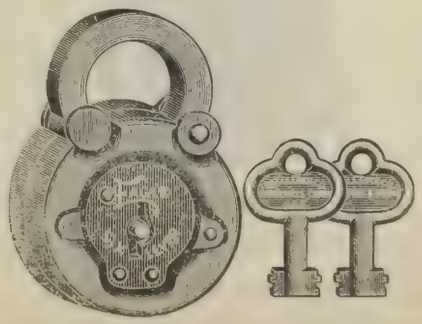
"Miller"

No.	Size, ins.	List per doz.
40	1¼	9.50
41	1⅝	12.00

Polished Cast Brass Case.

Nickel plated wrought steel shackle, self-locking, side throw spring; revolving key hub; key way in rim on the under side; 2 nickel plated flat steel keys; average weight per dozen, No. 40, 1½ pounds; No. 41, 3 pounds.

1 dozen in a box.



"Eagle."

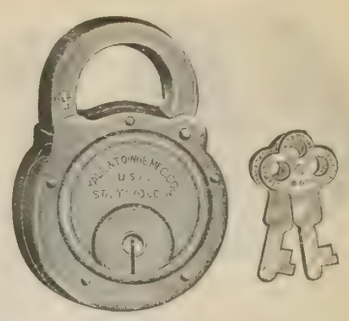
No. 4565. List per dozen 10.50

2⅛-inch Ivory Black Case.

Steel case; brass plated, self locking spring shackle; six secure levers; twelve changes; two nickel plated, double bitted barrel keys; average weight per dozen, 6½ pounds.

1 dozen in a box.

PADLOCKS



"Yale."

No. 645.J. List per dozen 10.90

2-inch Ivory Black Case.

Wrought steel case; brass plated steel self-locking spring shackle, brass revolving key hub; 3 lever tumblers; 2 nickel plated flat steel keys; average weight per dozen, 3½ pounds.

½ dozen in a box.

"Yale."

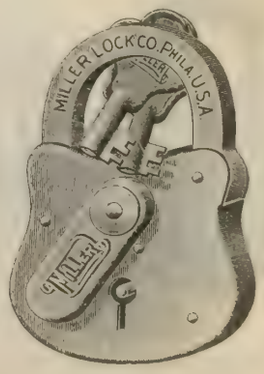
No. 223. List per dozen 13.60

"TITAN"

1½-inch Bower-Barffed Case.

Seamless iron case; brass plated steel panels; brass plated steel shackle, side throw, self-locking; warded type; key way in rim on the under side; 2 nickel plated flat steel keys; average weight per dozen, 1½ pounds.

½ dozen in a box.



"Miller"

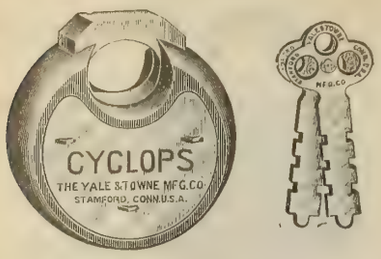
No. 573.GXD. List per dozen 13.00

2½-inch Galvanized Case.

Heavy wrought steel case, with spring drop; heavy malleable iron; self-locking spring shackle bolted at both heel and nose; galvanized interior parts; 12 key changes; 2 nickel plated malleable, drilled barrel keys; average weight per dozen, 6¼ pounds.

½ dozen in a box.

PADLOCKS



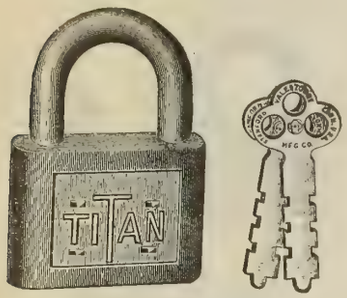
"Yale"

No. 215. List per dozen 18.20

"CYCLOPS."

2⅜-inch Nubian Finish Case.

Heavy cast iron case with brass plated steel side plates; brass plated drop forged steel, self-locking, straight throw, spring shackle; brass revolving key hub in rim on the under side; warded type; 6 changes; two nickel plated flat steel keys; average weight per dozen, 7 lbs.
½ dozen in a box.



"Yale"

No. 225. List per dozen 18.20

"TITAN"

2-inch Bower-Barffed Case.

Seamless iron case; brass plated steel panels; brass plated steel shackle, side throw, self-locking; warded type; key way in rim on the under side; 2 nickel plated flat steel keys; average weight per dozen, 3 pounds.
½ dozen in a box.

"Yale"

No. 326. List per dozen 24.70

"LOXOL"

2¼-inch Nubian Finish Case.

Cast iron rim; wrought steel, copper plated side plates expanded into the rim and hermetically sealing all interior parts; copper plated steel, self-locking, side throw spring shackle; steel interior parts; warded type; bronzed revolving key hub in rim on the under side; 6 changes; two nickel plated flat steel keys; average weight per dozen, 8 pounds.
½ dozen in a box.

PADLOCKS

"Miller"

No. 650. List per dozen 25.00

2⅛-inch Black Finish Case.

Heavy duty wrought steel case; heavy malleable iron, brass plated, self-locking spring shackle; brass revolving key hub; brass interior parts; extra heavy secure levers; protected shackle opening; 144 key changes; 2 nickeled flat steel keys; average weight per dozen, 5 pounds.
½ dozen in a box.

"Miller"

No. 1. List per dozen 31.60

CHAMPION SIX LEVER.

2¼-inch case, cast from Gun Metal; highly polished; embossed lettering on black back ground; self-locking spring shackle; all brass works; six positive acting levers; key way in rim on the under side; two nickel plated flat steel push keys; unlimited changes; average weight per dozen, 6 pounds.
½ dozen in a box.

"Miller"

No. I.X.C. List per dozen 33.60

CHAMPION SIX LEVER.

2¼-inch case, cast from Gun Metal; highly polished; embossed lettering on black back-ground; self-locking spring shackle; all brass works; six positive acting levers; key way in rim on the under side; 8-inch polished steel chain; two nickel plated flat steel push keys; unlimited changes; average weight per dozen, 7 pounds.
½ dozen in a box.

PADLOCKS

"Yale"

No. 805.F. List per dozen 35.50

"IRONSIDES."

2-inch Bower-Barffed Case.

Seamless heavy cast iron case; polished cast bronze, self locking, side throw spring shackle; 4 pin tumblers; 144 changes; key way in him on the under side; 2 nickel plated flat steel keys; average weight per dozen, 7½ pounds.
½ dozen in a box.

"Yale"

No. 565. List per dozen 36.00

"DEFIANCE."

2-inch Bower-Barffed Case.

Seamless Steel case with brass bottom plate; natural finish round steel, self-locking, side throw spring shackle which locks at both heel and nose; brass revolving key hub in rim on the under side; three lever tumblers; 48 changes; two nickel plated flat steel keys; average weight per dozen, 5 pounds.
½ dozen in a box.

"Miller"

No. 86. List per dozen 44.00

1¾-inch Bronze Case.

Polished case with embossed letters on black background; self-locking spring shackle; protected shackle opening; 4 secure levers; brass interior parts; revolving key hub; 144 key changes; 2 nickeled flat steel keys; average weight per dozen, 3¾ pounds.
½ dozen in a box.

PADLOCKS.

Combination.

No. E.31. List per dozen 41.60

1¾-inch Lacquered Case.

Seamless steel case; $\frac{5}{16}$-inch round steel side throw shackle; brass combination knob; brass interior parts; 3-number combination and click feature; complete security; simple in operation; average weight per dozen, 3½ pounds.

½ dozen in a box.

For Bicycles, Motorcycles, etc.

No. 44. List per dozen 20.20

1¾-inch Polished Cast Brass Case.

Nickel plated wrought steel; milled ratchet detachable shackle, opening 5½ x $\frac{15}{16}$ inches; adjustable to 1 inch; key way in rim on the under side; 2 long nickel plated corrugated steel keys; average weight per dozen, $5\frac{13}{16}$ pounds.

1 in a carton, ½ dozen in a box.

PADLOCKS.

"Miller."

For Bicycles, Motorcycles, Autos, etc.

No. 45. List per dozen 26.00

2⅛-inch Polished Cast Brass Case.

Nickelled steel detachable shackle with milled ratchets, opening 4½ x 1⅛ ins.; adjustable to ⅝-inch; lock has brass interior parts, 64 key changes; key way in rim on the under side; 2 long nickel plated corrugated steel keys; average weight per dozen, 7 pounds.

1 in a carton; ½ dozen in a box.

DOG COLLAR PADLOCKS.

Cut Actual Size.

"Eagle."

		List per card.
No. 54.	Brass.	4.00
No. 50.	Nickel Plated.	4.40

½-inch Oval Case.

Round detachable shackle; 1 brass key; one dozen mounted on a lithographed easel back cardboard display stand, 6¾ x 4½ inches; average weight per card, 6 ounces.

1 card in a box.

DOG COLLAR PADLOCKS.

Cut Actual Size.

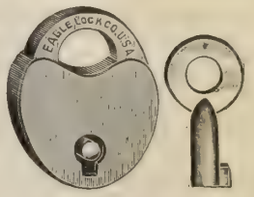
"Eagle."

No. 52.. List per card 4.90

⅝-inch Nickel Plated Case.

Nickel plated self-locking shackle; one nickel plated pin key; 1 dozen mounted on a lithographed easel back cardboard display stand, 6¾ x 4½ inches; average weight per card, 5 ounces.

1 card in a box.



Cut Actual Size.

"Eagle."

No. 53. List per card 6.80

¾-inch Brass Case.

Polished self-locking brass shackle; one brass barrel key; one dozen mounted on a lithographed easel back cardboard display stand, 6¾ x 4½ inches; average weight per card, 6 ounces.

1 card in a box.

Cut Actual Size.

No. 4014. List per card 9.70

⅝-inch Brass Case.

Polished case with oval sides; round brass, self-locking, side throw shackle; key way in him on the under side; one flat steel key; one dozen mounted on a lithographed cardboard display stand, 6¾ x 4½ inches; average weight per card, 6 ounces.

1 card in a box.

PADLOCK CARD ASSORTMENTS

"MILLER."

"E" Assortment. List per assortment 5.90

Each assortment consists of 1 dozen padlocks on a heavy card, attractively lithographed. The padlocks are securely attached with a patent fastener and are so arranged that any can be quickly detached and replaced. Each card has a metal eyelet by which it may be hung up, also a wire easel for use to stand the card upon the counter. The size of each card is 10½ x 12 inches; average weight 2 14/16 pounds.

The assortment consists of 6 each of the following padlocks:—

No.	Case	Finish	Shackle	Finish
1905	Steel	Black Enamelled	Malleable	Nickelled Bright
1905B	Steel	Brass Plated	Malleable	Brass Plated

Size 1⅞ inches; self-locking spring shackle; brass revolving key hub; 6 key changes; two nickel plated flat steel keys.

1 card in a box.

"MILLER."

"G" Assortment. List per assortment 8.70

Each assortment consists of 1 dozen padlocks on a heavy card, attractively lithographed. The padlocks are securely attached with a patent fastener and are so arranged that any can be quickly detached and replaced. Each card has an eyelet by which it may be hung up, also a wire easel for use to stand the card upon the counter. The size of each card is 13 x 16 inches; average weight 3 11/16 pounds.

The assortment consists of 6 each of the following padlocks:

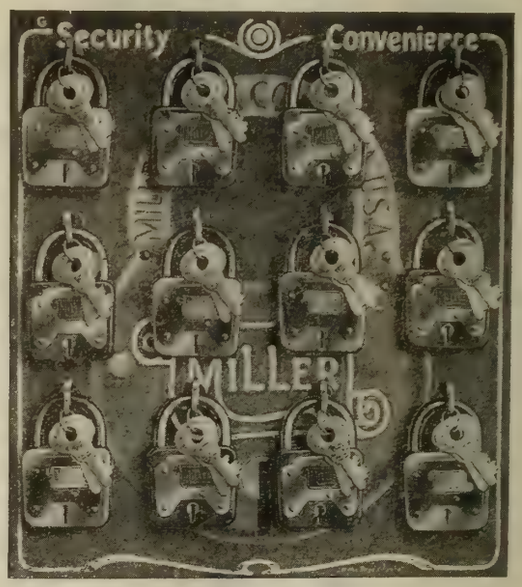
No. 88B. 1⅞ inches

Brass plated steel case with black enamelled face plate; black enamelled self-locking spring shackle; bolted at both heel and nose; brass revolving key hub; 12 changes; 2 extra strong and heavy nickel plated flat steel keys.

No. 88. 1⅞ inches

Black enamelled steel case with brass plated face plate; brass plated self-locking spring shackle; bolted at both heel and nose; brass revolving key hub; 12 changes; 2 extra strong and heavy nickel plated flat steel keys.

1 card in a box.



"MILLER."

"B" Assortment. List per assortment 10.00

Each assortment consists of 1 dozen padlocks on a heavy card, attractively lithographed. The padlocks are securely attached with a patent fastener and are so arranged that any can be quickly detached and replaced. Each card has a metal eyelet by which it may be hung up, also a wire easel for use to stand upon the counter. The size of each card is 10½ x 12 inches; average weight 3½ pounds.

The assortment consists of 1 each of the following padlocks:

No.	Size, ins.	Case	Finish
1905	1⅞	Steel	Black Enamelled
1905B	1⅞	Steel	Brass Plated
18	1½	Steel	Black Enamelled
18B	1½	Steel	Brass Plated
214	1½	Cast Brass	Dipped Bright
221	2	Cast Brass	Dipped Bright
105	1⅞	Steel	Black Enamelled
110	2¼	Steel	Black Enamelled
21	2	Steel	Black Enamelled
22	2⅝	Steel	Black Enamelled
190	1¾	Brass	Dipped Bright
210	2	Brass	Dipped Bright

1 card in a box.

PADLOCK ASSORTMENTS

"MILLER"

No. 929 ASSORTMENT

List each 26.50

Consists of the following padlocks:—

No.	Quantity	Catalogue page of open stock
478	¼ doz.	53
100.B	¼ doz.	53
1805	¼ doz.	53
1905.B	¼ doz.	54
480	¼ doz.	54
1920.B	¼ doz.	53
8	¼ doz.	55
2105.B	¼ doz.	54
19	¼ doz.	54
21.B	¼ doz.	55
88	¼ doz.	55
700.B	¼ doz.	55
573.GXD.	¼ doz.	55
650	1-12 doz.	56
1	1-12 doz.	56

Total:—3 5-12 doz.

1 Assortment in a box.

No. 931 ASSORTMENT

List each 43.00

Consists of the following padlocks:—

No.	Quantity	Catalogue page of open stock
478	½ doz.	53
100.B.	½ doz.	53
1805	½ doz.	53
1905.B.	½ doz.	54
480	½ doz.	54
1920.B.	½ doz.	53
8	½ doz.	55
2105.B.	½ doz.	54
19	½ doz.	54
21.B.	½ doz.	55
88	½ doz.	55
700.B.	½ doz.	55
573.GXD.	¼ doz.	55
650	1-12 doz.	56
1	1-12 doz.	56

Total:—6 5-12 doz.

1 Assortment in a box.

These assortments consist of the padlocks as above listed, fifteen of which are mounted on an indestructible steel panel, finished in dark green, size:—21 inches in height by 9¼ inches in width. The panel is finely finished and has hinges to swing left or right or may be screwed flat to the wall, or hung by means of the hole near the top. The padlocks are attached with a patent fastener and are so arranged that any can be quickly detached and replaced.

A complete "Padlock Department" made up of fifteen popular sizes and styles. It is a most efficient silent salesman of permanent value, offered on terms that give a splendid profit.

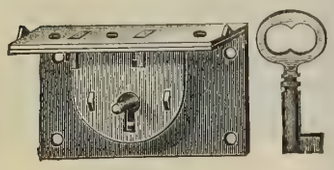
CHEST LOCKS

"Eagle."

No. 35. List per dozen 6.30

$1\frac{15}{16}$ x $1\frac{1}{16}$ inch, brass plate; rivetted steel box; single link; $\frac{5}{16}$-inch selvedge; $\frac{9}{16}$-inch from selvedge to key-pin; one malleable iron barrel key; without screws; average weight per dozen, ¾ pound.

1 dozen in a box.



"Eagle."

No. 181. List per dozen 11.40

Brass Plate 1½ x $\frac{15}{16}$-inch; rivetted steel box; double link; ¼ inch selvedge; ½-inch from selvedge to key-pin; one malleable iron barrel key; without screws; average weight per dozen, ½ pound.

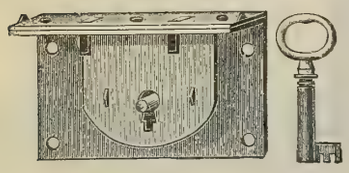
1 dozen in a box.

"Eagle."

No. 167. List per dozen 11.40

Steel plate, 2¼ x 1⅜ inches; rivetted steel box; double link; one ward; $\frac{7}{16}$-inch selvedge; ¾-inch from selvedge to key-pin; one malleable iron barrel key; without screws; average weight per dozen, 1 pound.

1 dozen in a box.



"Eagle."

No. 166. List per dozen 10.40

Steel plate 2½ x $1\frac{9}{16}$ inches; rivetted steel box; double link; one ward; four changes; $\frac{7}{16}$-inch selvedge; $\frac{13}{16}$-inch from selvedge to key-pin; one malleable iron barrel key; without screws; average weight per dozen, 1½ pounds.

1 dozen in a box.

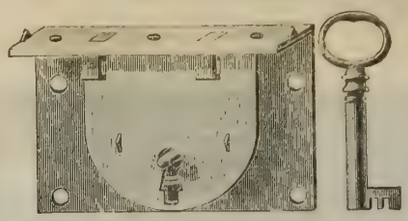
"Eagle"

No. 37. List per dozen 12.20

Brass plate 2 x 1¼ inches; rivetted steel box; double link; one ward; ⅜-inch selvedge; ¾-inch from selvedge to key-pin; one malleable iron barrel key; without screws; average weight per dozen, 1 pound.

1 dozen in a box.

CHEST LOCKS

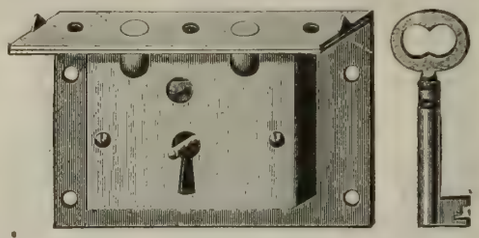


"Eagle."

No. 160. List per dozen 14.40

Steel plate 3 x 2 inches; rivetted steel box; double link; one ward; ½-inch selvedge; $1\frac{9}{16}$ inch from selvedge to key-pin; three changes; 1 malleable iron barrel key; without screws; average weight per dozen, 2¾ pounds.

1 dozen in a box.

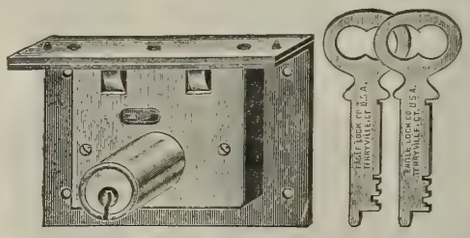


"Eagle."

No. 408. List per dozen 25.20

Steel plate 3½ x 2¼ inches; screwed, solid box; double (round) link; two secure levers; twelve changes; $\frac{9}{16}$-inch selvedge; 1½ inches from selvedge to key-pin; one malleable iron barrel key; without screws; average weight per dozen, 4¼ pounds.

1 dozen in a box.



"Eagle."

No. 02126½. List per dozen 26.00

All Brass.

Plate 2 x 1½ inches; screwed solid box; double link; 2 levers; ⅜ inch selvedge; ⅞ inch to centre of cylinder; diameter of tube ½ inch; for ¾ inch wood; 2 nickeled flat steel keys; without screws; average weight per dozen, 1¾ pounds.

1 dozen in a box.

"Eagle."

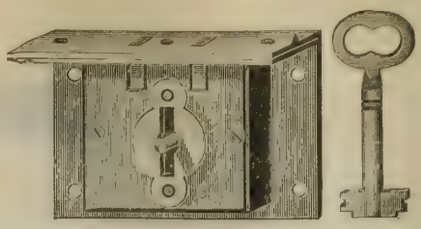
No. 6071½. List per dozen 32.00

All Brass.

Plate 2½ x $1\frac{11}{16}$ inches; screwed, solid box; double link; four secure levers; ½-inch polished selvedge; 1-inch from selvedge to centre of key cylinder; diameter of tube $\frac{9}{16}$-inch; for 1-inch wood; two nickel plated flat steel keys; without screws; average weight per dozen, 3⅛ pounds.

½ dozen in a box.

CHEST LOCKS

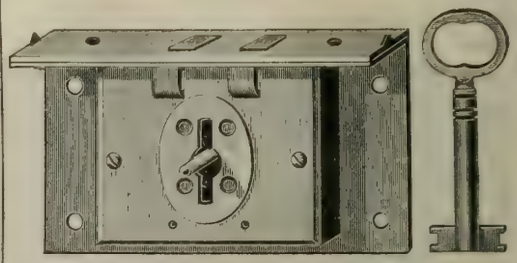


"Eagle."

No. 1977. List per dozen 27.80

Steel plate 3 x $1\frac{15}{16}$ inches; screwed, solid box; double link; 4 hook tumblers; and 2 wards; self-locking; ½-inch selvedge; 1 inch from selvedge to key-pin; brass escutcheon; one malleable iron double bit barrel key; twelve changes; without screws; average weight per dozen, 3½ pounds.

1 dozen in a box.

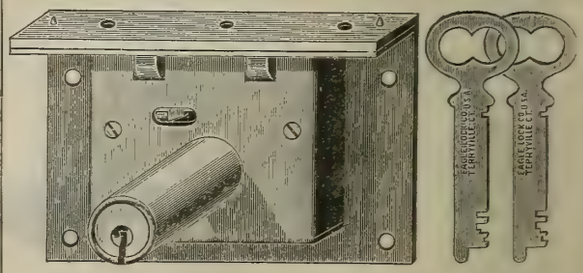


"Eagle."

No. 219. List per dozen 29.60

Steel plate 3⅞ x 2¼ inches; screwed, solid box; double link; hook tumblers and wards; twelve changes; $\frac{11}{16}$-inch selvedge; 1⅛ inches from selvedge to key-pin; polished brass escutcheon; one malleable iron double bit barrel key; without screws; average weight per dozen, 6 pounds.

½ dozen in a box.



"Eagle."

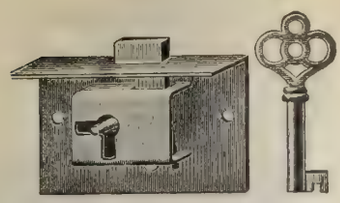
No. 6069½. List per dozen 40.00

All Brass.

Plate 3½ x 2¼ inches; screwed, solid box; double link; four secure levers; ⅝-inch polished selvedge; 1¼ inches from selvedge to centre of key cylinder; diameter of tube $\frac{9}{16}$-inch; for 1 inch wood; two nickel plated flat steel keys; without screws; average weight per dozen, 5 pounds.

½ dozen in a box.

DRAWER AND TILL LOCKS



"Eagle."

No. 72 x 3. List per dozen 2.00
3 keys to dozen.

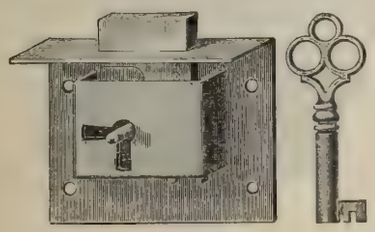
No. 72 x 12. List per dozen 3.60
12 keys to dozen.

Steel plate, 2¼ x 1 7/16 inches; rivetted steel box; double key-way; back spring; ⅜-inch selvedge; ⅝-inch from selvedge to key-pin; malleable iron barrel key; without screws; average weight per dozen, 1 pound.
1 dozen in a box.

"Eagle."

No. 36. List per dozen 5.00

Brass plate 2 x 1 7/16 inches; rivetted solid steel box; one ward; back spring; 5/16-inch selvedge; ⅝-inch from selvedge to key-pin; one malleable iron barrel key; without screws; average weight per dozen, ⅞ pound.
1 dozen in a box.

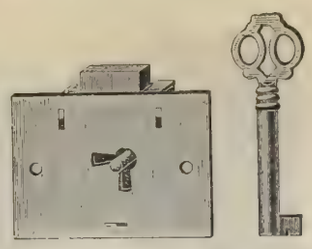


"Eagle."

No. 68. List per dozen 5.50

Brass Plate; 2¼ x 1 7/16 inches; rivetted steel box; double key way; back spring; ⅜-inch selvedge; ⅝-inch from selvedge to key pin; one malleable iron barrel key; without screws; average weight per dozen, 1 pound.
1 dozen in a box.

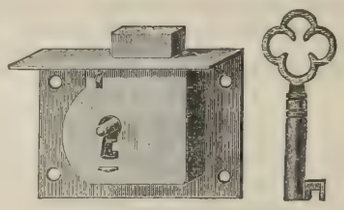
DRAWER AND TILL LOCKS



"Eagle."

No. 161 x 12. List per dozen 5.60

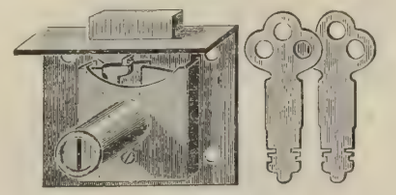
2½ x 2 inch steel plate; rivetted box; double key-way; back-spring; one ward; ⅝-inch selvedge; ⅞-inch from selvedge to key-pin; broad bolt; one malleable iron barrel key; 12 keyed; without screws; average weight per dozen, 1¾ pounds.
1 dozen in a box.



"Eagle."

No. 40. List per dozen 9.60

Brass Plate, 2¼ x 1⅝ inches; rivetted steel box; broad brass bolt; one ward; back spring; ⅜-inch selvedge; 11/16-inch from selvedge to key-pin; one malleable iron barrel key; without screws; average weight per dozen, 1⅜ pounds.
1 dozen in a box.



"Eagle."

No. 1921. List per dozen 11.50
Iron, Brass Tube.

No. 01921. List per dozen 14.50
All Brass.

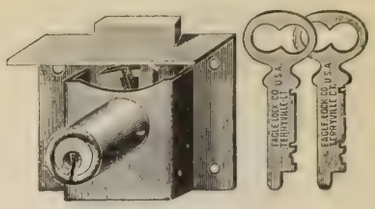
1¾ x 1 7/16 inch plate; rivetted open box; 2 levers; broad bolt; ⅝-inch tube for ⅞-inch wood; ¾-inch to centre of cylinder; 2 nickeled flat steel keys; without screws; average weight per dozen, 1½ pounds.
½ dozen in a box.

"Eagle."

No. 01877. List per dozen 21.90
All Brass.

Polished plate 1¾ x 1½ inches; rivetted open box; 2 levers; 12 changes; ½-inch tube; for ⅞-inch wood; ⅜-inch selvedge; ¾-inch to centre of cylinder; 2 nickeled flat steel keys; without screws; average weight per dozen, 1½ pounds.
1 dozen in a box.

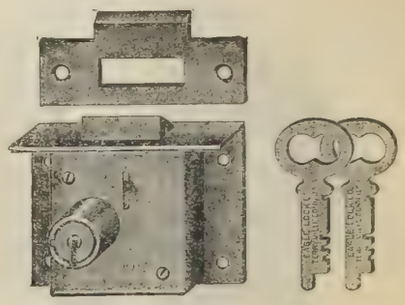
DRAWER AND TILL LOCKS



"Eagle."

No. 01816. List per dozen 19.80
All Brass.

2 x 1 11/16 inch plate; rivetted open box; two levers; broad bolt; 12 changes; brass strike plate; brass tube ⅝-inch diameter for ⅞ inch wood; 7/16-inch selvedge; ⅞-inch to centre of cylinder; two nickel plated flat steel keys; without screws; average weight per dozen, 2 pounds.
1 dozen in a box.

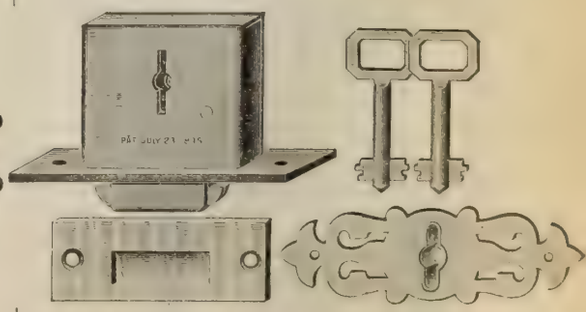


"Eagle."

No. 6001½. List per dozen 36.00
All Brass; Latch Bolt.

2¼ x 1¾ inch plate; screwed, solid box; three levers; self-locking spring bolt; 12 changes; tube ⅝-inch diameter, for ⅞-inch wood; brass strike plate; ½-inch selvedge; ⅞-inch from selvedge to centre of cylinder; two nickel plated flat steel keys; without screws; average weight per dozen, 3¼ pounds.
1 dozen in a box.

DESK LOCKS

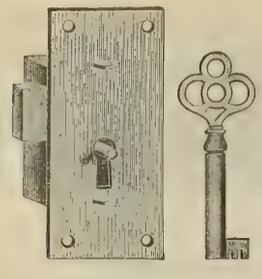


"Eagle."

No. 1984C. List per dozen 22.00
Mortise, Self-locking Hook Bolt.

Brass face 3 x 9/16 inch; steel case 1¾ x 1½ x ⅝ inch; self closing strike plate 3¼ x 1 inch; 4 hook tumblers and 1 ward; 12 changes; 1 inch to centre of key hole; polished brass escutcheon 3¼ x 1 inch; 2 nickeled solid stem, double bitted keys; with screws; average weight per dozen, 3¾ pounds.
1 dozen in a box.

WARDROBE LOCKS

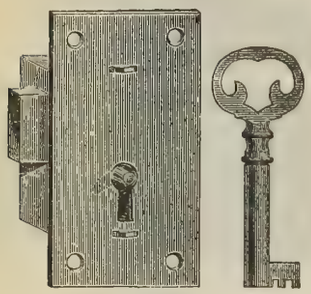


"Eagle."

No. 2263. List per dozen 2.20

Plain steel; 1¾ x ¾-inch plate; rivetted solid square box; bolt shoots right and left; tumbler; one malleable iron barrel key; without screws; average weight per dozen, $\frac{13}{16}$ pound.

1 dozen in a box.



"Eagle."

No. 2265. List per dozen 2.20

Plain steel; 2 x 1¼ inch plate; rivetted solid square box, bolt shoots right and left; one tumbler; one malleable iron barrel key; without screws; average weight per dozen, 1½ pounds.

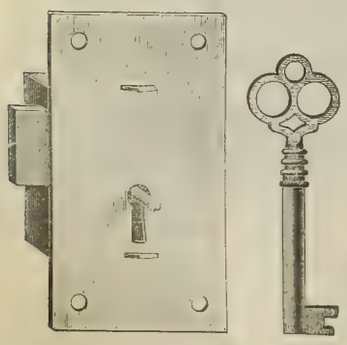
1 dozen in a box.

"Eagle."

No. 2264. List per dozen 2.20

Plain steel; 1¾ x 1 inch plate; rivetted solid square box; bolt shoots right and left; one tumbler; one malleable iron barrel key; without screws; average weight per dozen, 1 pound.

1 dozen in a box.



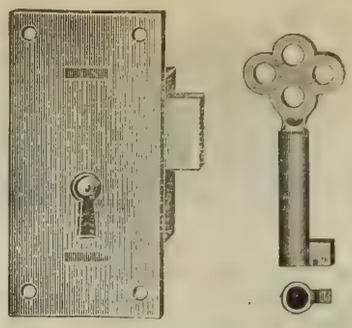
"Eagle."

No. 510. List per dozen 3.60

3 x 1¾ inch steel plate with rivetted solid box; bolt shoots right and left; one malleable iron barrel key; without screws; average weight per dozen, 2½ pounds.

1 dozen in a box.

WARDROBE LOCKS



"Springer."

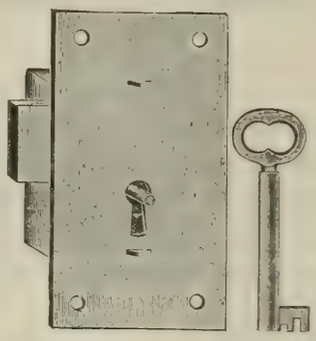
No. 415¼. Iron. List per dozen 1.80

"Eagle."

No. 415¼.A. Brass. List per dozen 4.50

2⅜ x 1¼ inch plate; rivetted solid square box; steel bolt shoots right and left; one barrel key; without screws; average weight per dozen, 1½ pounds.

1 dozen in a box.

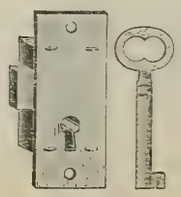


"Eagle."

No. 500¼. List per dozen 6.60

3½ x 2-inch steel plate with rivetted solid box; bolt shoots right and left; one tumbler; one malleable iron barrel key; without screws; average weight per dozen, 3 pounds.

1 dozen in a box.



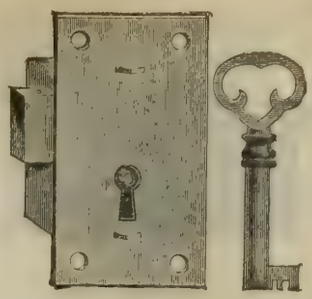
"Eagle."

No. 509. List per dozen 7.20

1⅞ x ¾-inch steel plate with rivetted solid box; bolt shoots right and left; one tumbler; one malleable iron barrel key; without screws; average weight per dozen, ¾ pound.

1 dozen in a box.

WARDROBE LOCKS



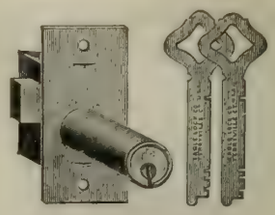
"Eagle."

No. 418. List per dozen 10.80

Brass.

2¾ x 1¼ inch plate with rivetted, solid box; steel bolt shoots right and left; backset ⅝-inch; one malleable iron barrel key; without screws; average weight per dozen, 1½ pounds.

1 dozen in a box.



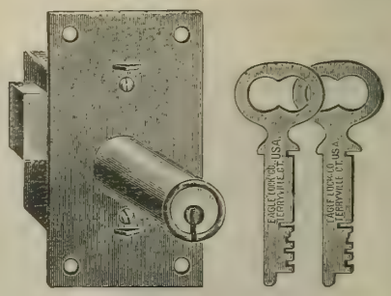
"Eagle."

No. 1056. List per dozen 25.20

All Brass.

1⅞ x ⅞ inch plate with rivetted solid box; bolt shoots right and left; tube ½-inch in diameter for ¾-inch wood; two levers; 12 changes; two nickel plated flat steel keys; without screws; average weight per dozen, 1⅛ pounds.

1 dozen in a box.



"Eagle."

No. 7098. List per dozen 25.20

Steel, Brass Bolt.

No. 6098. List per dozen 34.70

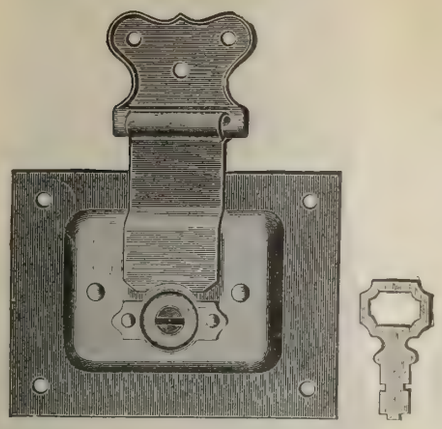
All Brass.

2¾ x 1¼ inch plate; screwed, solid square box; broad heavy bolt shoots right and left; two levers; for ⅞-inch wood; two nickel plated flat steel keys; without screws; average weight per dozen, $2\frac{5}{16}$ pounds.

½ dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED WHOLESALE HARDWARE, TORONTO, CANADA.

TRUNK LOCKS



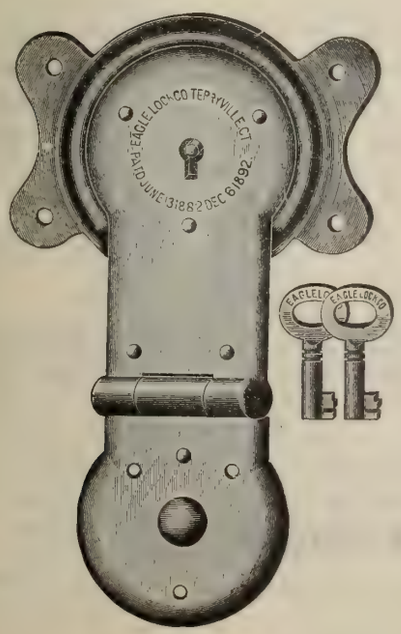
"Eagle."

No. 8117. List per dozen 8.00

Black Japanned.

Steel plate, 3½ x 2⅝ inches; japanned hasp 1 x 2⅞ inches; tin escutcheon; brass revolving hub; one flat steel key; this being a surface lock no mortise in the trunk is required; average weight per dozen, 2¾ pounds.

1 dozen in a box.



"Eagle."

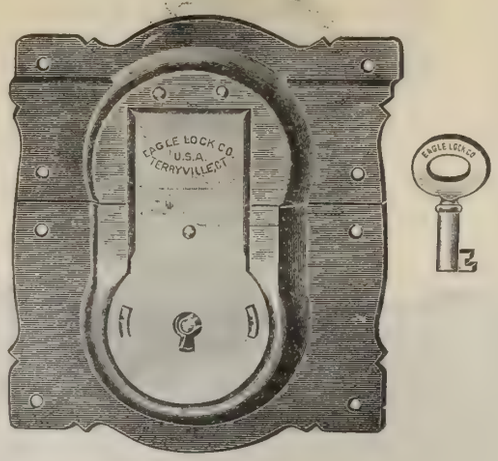
No. 8410½. List per dozen 7.70

Wrought Iron, Brass Plated.

6 x 2¼ inch hinge hasp; 2¾ x 3¾ inch guard cup; 6 changes; two malleable iron barrel keys; average weight per dozen, 5¾ pounds.

1 dozen in a box.

TRUNK LOCKS



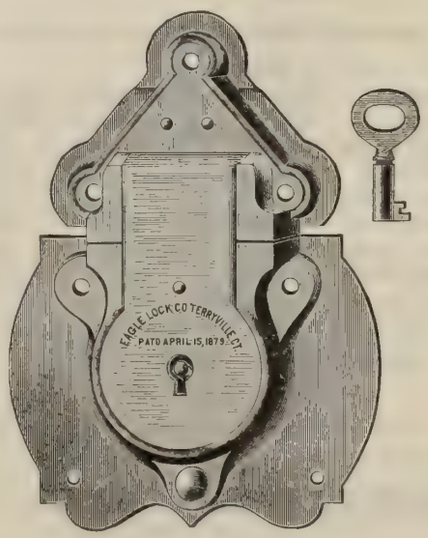
"Eagle."

No. 8425. List per dozen 5.80

All Brass Plated.

4¾ x 4 inch plate; spring hasp; guard cup; one malleable iron barrel key; without screws; this being a surface lock no mortise in the trunk is required; average weight per dozen, 4⅝ pounds.

1 dozen in a box.



"Eagle."

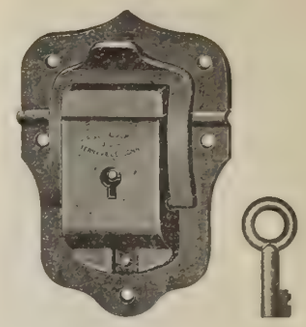
No. 08199. List per dozen 9.00

Brass Plated.

Surface lock; plate 5½ x 4 inches; spring hasp 1¾ x 3 inches; cast guard cup; one malleable iron barrel key; without screws; average weight per dozen, 6⅝ pounds.

1 dozen in a box.

TOOL CHEST LOCKS



"Eagle."

No. 8368¾. List per dozen 14.20

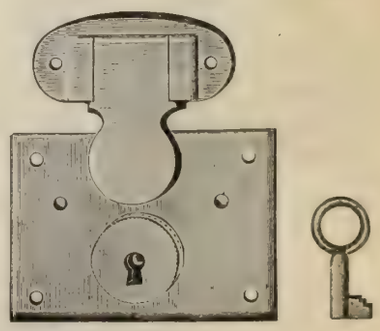
Combined Catch and Lock.

Dull Brass Finish.

Steel; plate 2¼ x 3⅜ inches; heavy loop, flush hasp; secure lever; one malleable iron barrel key; without screws; average weight per dozen, 2$\frac{11}{16}$ pounds.

1 dozen in a box.

SUIT CASE LOCKS



"Eagle."

No. 8341. List per dozen 9.00

Polished Brass Plated Steel.

3 x 2 inch plate; 2 x 2 inch self-locking, spring stop hasp; one nickel plated malleable iron barrel key; when unlocked may be used as a catch and unlatched by sliding key escutcheon; being a surface lock no mortise is required; without rivets; average weight per dozen, 2½ lbs.

1 dozen in a box.

Single Bit—Bright.

Double Bit.

Single Bit—Blued.

SAMSON AXES

Samson Axes are made of the very highest quality, double refined crucible cast tool steel and are tempered by a process producing a toughness in the steel which will hold a sharp cutting edge and still stand the severe strain to which they are subjected by the user. Every axe is carefully inspected and tested.

FULLY GUARANTEED

"SAMSON" SINGLE BIT; UNHANDLED

Bright Finish.

Weight pounds.	List per dozen	Weight pounds.	List per dozen.
3 to 3½	26.50	3¾ to 4¼	27.50
3 to 3¾	26.50	3¾ to 4½	28.50
3 to 4	26.50	4 to 4½	28.50
3¼ to 3¾	26.50	4 to 4¾	28.50
3¼ to 4	27.50	4 to 5	28.50
3¼ to 4¼	27.50	3	26.50
3½ to 4	27.50	3½	26.50
3½ to 4¼	27.50	3¾	27.50
3½ to 4½	27.50	4	27.50

Packed in individual cardboard cartons together with axe wedge.

1 dozen in a box.

"SAMSON" SINGLE BIT; UNHANDLED

Blued Finish.

Weight pounds.	List per dozen	Weight pounds.	List per dozen.
3¼ to 3¾	26.50	4 to 4½	28.50
3¼ to 4	27.50	3	26.50
3¼ to 4¼	27.50	3¼	26.50
3½ to 4	27.50	3½	26.50
3½ to 4¼	27.50	3¾	27.50
3½ to 4½	27.50	4	27.50
3¾ to 4¼	27.50		

Packed in individual cardboard cartons together with axe wedge.

1 dozen in a box.

"SAMSON" SINGLE BIT; HANDLED

Bright Finish		Blued Finish	
Weight pounds.	List per dozen	Weight pounds.	List per dozen.
3½ to 4	41.00	3 to 3½	40.00
4 to 4½	42.00	3¼ to 3¾	40.00
3½	40.00	3½ to 4	41.00
3¾	41.00	3½ to 4½	41.00
4	41.00	3½	40.00
4¼	42.00	4	41.00
4½	42.00		

Fitted with 36-inch Samson Handle of selected second growth hickory; perfectly hung and balanced; heads are boxed and handles wrapped.

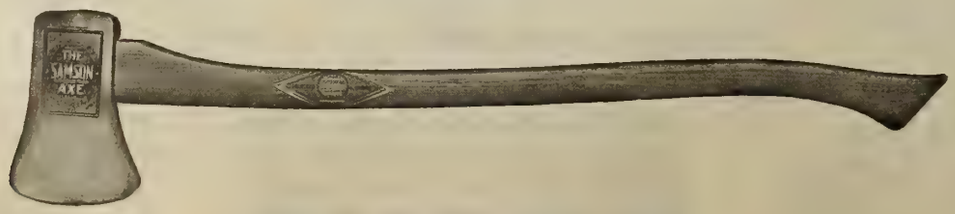
½ dozen in a box.

"SAMSON" DOUBLE BIT AXES; UNHANDLED

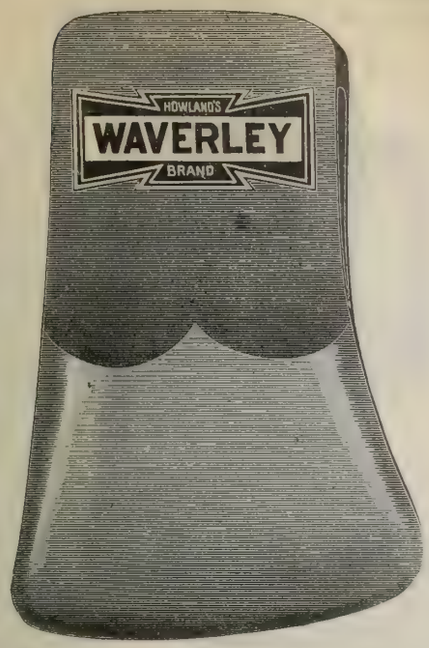
3½ to 4 lbs. .List per dozen 36.00

Bright Finish; Ontario Pattern.

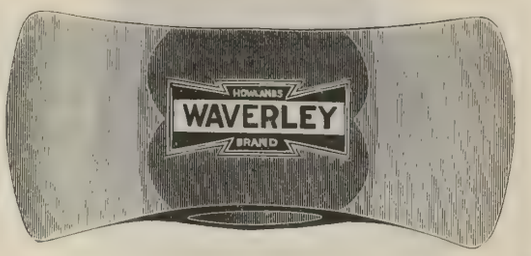
1 dozen in a box.



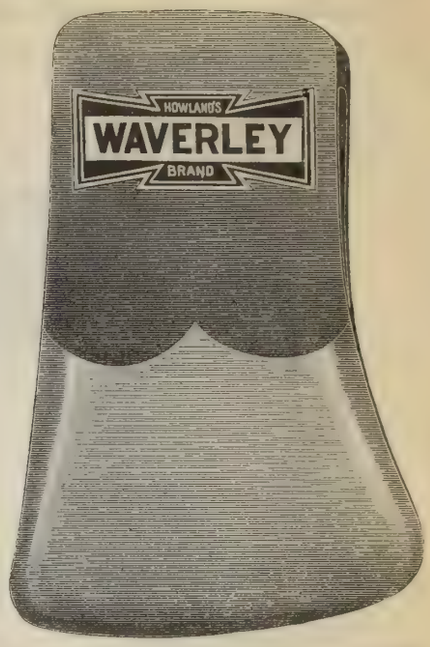
GUARANTEED



Single Bit



Double Bit



Single Bit

WAVERLEY AXES

"WAVERLEY" SINGLE BIT; UNHANDLED

Weight, pounds.	List per dozen.	Weight, pounds.	List per dozen.
3 to 3½	33.00	3½ to 4	34.00
3 to 4	33.00	3¾ to 4¼	35.00
3¼ to 3¾	33.00	3½ to 4½	35.00
3¼ to 4	34.00	4 to 4½	36.00
3½	33.00		

Made of extra refined crucible tool steel; hand hammered and tempered; carefully ground and sharpened; blade is polished bright and the head painted blue; excellently made and finished throughout.

1 dozen of each assortment of weights in a box.

"WAVERLEY" SINGLE BIT AXES; HANDLED

3 to 3½ lbs. List per dozen 44.50

3½ to 4 lbs. List per dozen 45.50

Head of extra refined crucible tool steel; hand hammered; carefully tempered, ground and sharpened; polished bit; head painted blue; fitted with 36-inch oval handle of selected, seasoned, second growth hickory; heads are boxed and handles wrapped.

1 dozen of each assortment of weights in a box.

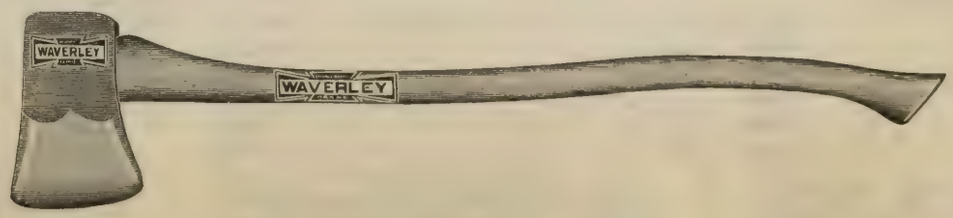
"WAVERLEY" DOUBLE BIT AXES; UNHANDLED

3½ to 4 lbs. List per dozen 46.00

Ontario Pattern.

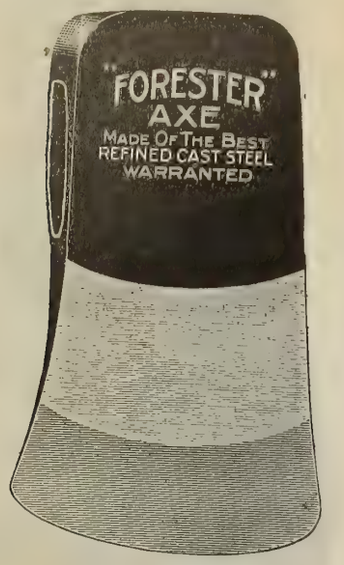
Made of extra refined crucible tool steel; hand hammered and tempered; carefully ground and sharpened; blades are polished bright and the head painted blue; excellently made and finished throughout.

1 dozen in a box.



NONE BETTER AT THE PRICE

SINGLE BIT AXES; UNHANDLED.



"FORESTER."

Weight, pounds.	List per dozen.
3 to 3½	34.00
3¼ to 3¾	34.00
3½ to 4	35.00
3¾ to 4½	36.00
4 to 4¾	36.00

Made of the best refined cast steel; single overcoat; hand hammered; polished bit, red painted head; a satisfactory tool for general purpose use.

1 dozen of each assortment of weights in a box.

"BLACK PRINCE."

Weight, pounds.	List per dozen.
3 to 3½	35.00
3¼ to 3¾	35.00
3½ to 4	36.00
3¾ to 4½	37.00

Made from best cast steel; uniformally tempered; will hold a fine, sharp cutting edge; polished bit; black painted head.

1 dozen of each assortment of weights in a box.

SINGLE BIT AXES; UNHANDLED

"HAND MADE."

Weight, pounds.	List per dozen.
3¼ to 3¾	37.00
3¼ to 4	38.00
3½ to 4	38.00
3¾ to 4½	39.00

Hand forged from extra quality crucible steel; natural ebony finish; with polished edge; scientifically tempered, hand ground and sharpened; designed to stand hard usage.

1 dozen of each assortment of weights in a box.

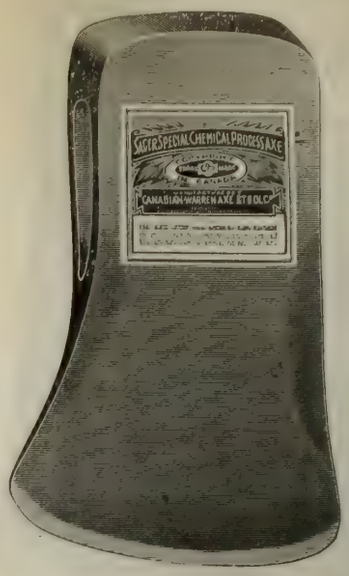
"ALL STEEL."

Weight, pounds.	List per dozen.
3¼ to 3¾	37.00
3½ to 4	38.00
3¾ to 4½	39.00

Double refined crucible steel; full polished and deep etched; tempered to highest degree of perfection; carefully ground and sharpened.

1 dozen of each assortment of weights in a box.

SINGLE BIT AXES; UNHANDLED.



"SAGER."

Weight, pounds.	List per dozen.
3 to 3½	35.00
3¼ to 3¾	35.00
3½ to 4	36.00
3¾ to 4½	37.00

"SAGER" DOUBLE BIT

3½ to 4 lbs. List per dozen 47.00

Hand forged from the very highest grade steel; individually tempered; a durable axe which will hold a finer cutting edge.

1 dozen of each assortment of weights in a box.

"GARRETT'S BLACK DIAMOND."

Weight, pounds.	List per dozen.
3¼ to 3¾	38.00
3¼ to 4	39.00
3½ to 4	39.00
3¾ to 4½	40.00
4 to 4½	40.00
4 to 4¾	40.00

Hand forged from finest grade of crucible edge tool steel; a special scientific process produces a perfect temper capable of maintaining a strong, keen edge that will stand severe usage; full black finish.

1 dozen of each assortment of weights in a box.

SINGLE BIT AXES; UNHANDLED

No. 444.

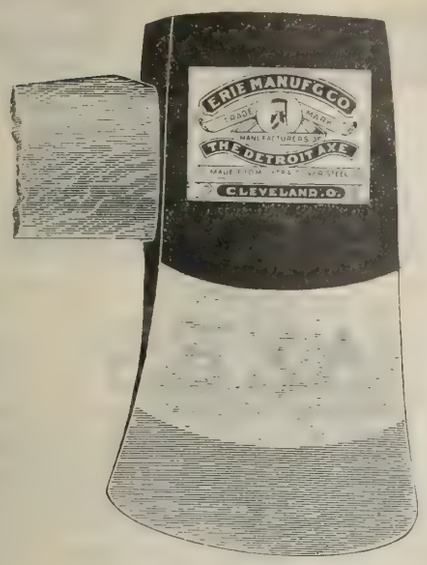
Weight pounds	List per dozen
3¼ to 3¾	31.00
3¼ to 4	31.00
3½ to 4	31.00
3¾ to 4¼	31.00

Michigan Pattern.

Made of good quality hand forged steel, natural finish, with polished edge, tempered and sharpened.

1 dozen of each assortment of weights in a box.

SINGLE BIT AXES; HANDLED.



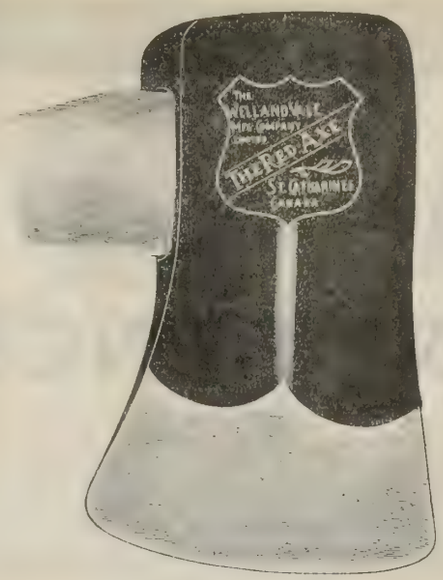
"ERIE."

3½ to 4 lbs. List per dozen **38.00**

Good quality steel bit; hand hammered; tempered and ground; polished bit; fitted with 36-inch oval, all white maple handle; heads are boxed and handles wrapped.

1 dozen in a box.

SINGLE BIT AXES; HANDLED.



"THE RED."

3½ to 4 lbs. List per dozen **46.50**

Crucible steel cutting edge; thoroughly refined by hand, and carefully tempered; polished hand hammered bit; red painted head; 36-inch oval handle of No. 1 hickory; heads are boxed and handles wrapped.

1 dozen in a box.

SINGLE BIT AXES; HANDLED.

"BLACK PRINCE."

3½ to 4 lbs. List per dozen **46.50**

Made from best cast steel; uniformally tempered; will hold a fine, sharp cutting edge; polished bit, black painted head; 36 inch oval handle of No. 1 hickory; heads are boxed and handles wrapped.

1 dozen in a box.

BOYS' HANDLED AXES.

No. 1 Boys.' List per dozen **29.00**

Refined crucible steel; double overcoat; carefully ground and tempered; polished bit; 3½ inch cutting edge; blued finish head; 28 inch oval handle of all white maple, carefully driven and tightly wedged; average weight of head, 2 pounds; shipping weight per dozen, 30 pounds.

1 dozen in a box.

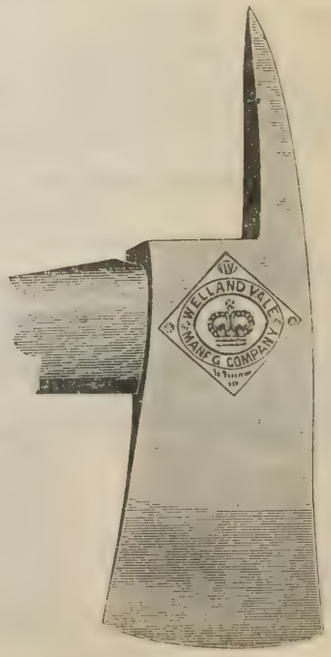
BOYS' HANDLED AXES.

"Boys' Red." List per dozen **28.50**

Extra quality forged crucible steel bit, carefully tempered and ground; polished bit, 3½ inch cutting edge; red painted head; 2½ pounds; 28 inch all white maple oval handle carefully driven and tightly wedged; heads are boxed and handles wrapped; shipping weight per dozen, 35 pounds.

1 dozen in a box.

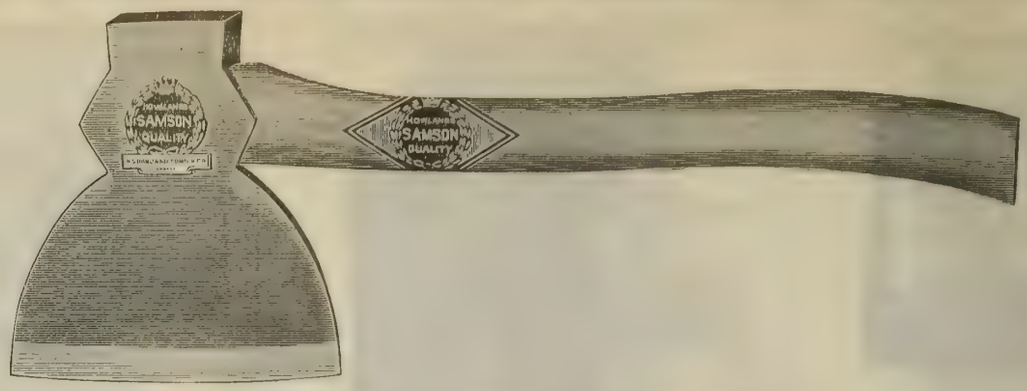
FIREMENS' AXES



Handled. List per dozen **52.00**

Finest crucible steel pick end and cutting edge, thoroughly refined; carefully tempered; full polished finish; length of head over all, 11 inches; length of spike only 4 inches; No. 1 quality 36 inch hickory handle painted red; 4¼ pound head; average weight per dozen 76 pounds.

½ dozen in a box.



"SAMSON" BENCH AXES

Nos.	2	3	4
List per dozen	43.20	48.00	52.80
Width cut, inches	4½	5	5½
Approximate weight, handled, pounds	2¼	2½	3

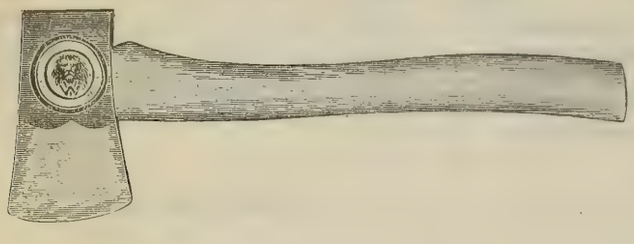
Gun Metal Finish; Single Bevel.

Highest quality crucible steel; specially tempered, ground and sharpened ready for use; deeply etched; polished bit; 16-inch handle of extra selected second growth hickory, securely wedged and perfectly hung.

½ dozen in a box.

FULLY GUARANTEED.

HUNTERS' AXES.

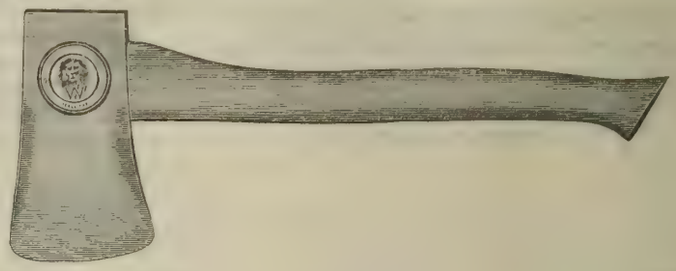


No. 1, Blued. List per dozen 27.00

Blue Painted Head; Polished Bit.

Fine crucible steel, 3-inch cut, 5 inches high, weighs 1¼ pounds; 16-inch ash handle; carefully finished; average weight per dozen, 21 pounds.

1 dozen in a box.



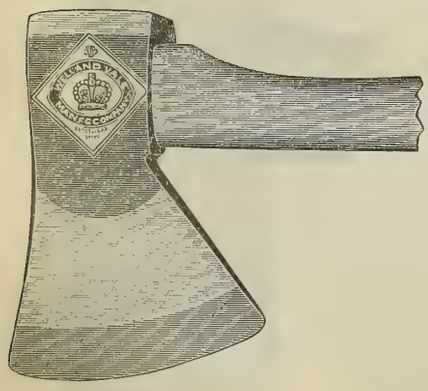
Extra. List per dozen 29.00

Full Polished.

High grade crucible steel, 3½ inch cut, 6 inches high, weighs 2 pounds; 16-inch ash handle; securely wedged; well finished; average weight per dozen, 29 pounds.

1 dozen in a box.

JOINERS' AXES.



No. 34. List per dozen 41.00

Canadian Pattern.

High grade crucible overcoat steel bit; soft steel poll; width of cut 4⅝ inches; length from bit to head 6¾ inches; average weight 2½ pounds; 20-inch hickory handle, securely wedged; average weight per dozen, 43 pounds.

½ dozen in a box.

HOUSE CARPENTERS ADZES

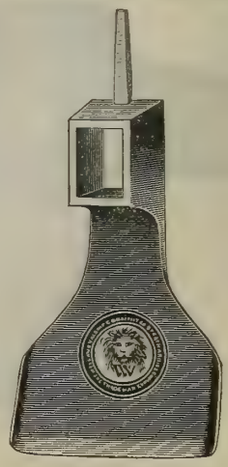
No. 1. List per dozen 51.60

Half Head.

Hand hammered from extra quality steel; carefully tempered, ground, sharpened and finished; 4¼ inch cut, 9 inches long; polished bit; gold bronzed head; average weight each, 3¾ pounds.

1 dozen in a box.

SHIP CARPENTERS ADZES.



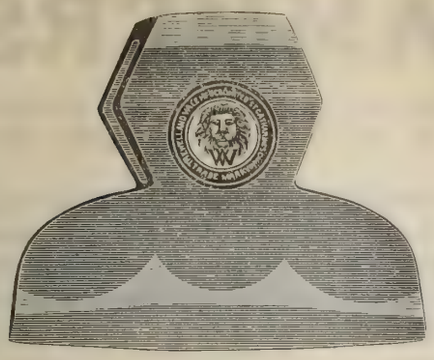
Lipped. List per dozen 80.00

Spur Head.

Hand hammered from extra quality steel; carefully tempered, ground, sharpened and finished; 5¼ inch cut, 8¼ inches long with 2¼ inch spur; painted black, polished bevelled edge; weight 2½ pounds; average weight per dozen, 35 pounds.

1 dozen in a box.

BROAD AXES.

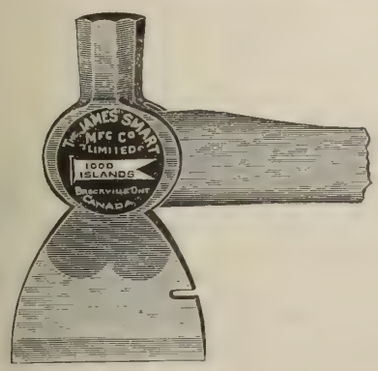


Weight, lbs.	5½	6	6½
List per dozen	102.00	102.00	102.00
Width of bit, ins.	10½	11	11½

Each axe is individually hand made from extra refined crucible steel which maintains the highest standard in quality, workmanship and finish; perfect in weld and temper; accurately shaped, bevelled and ground; polished bit, black painted head; used for hewing and shaping large timbers.

½ dozen in a box.

SHINGLING HATCHETS.

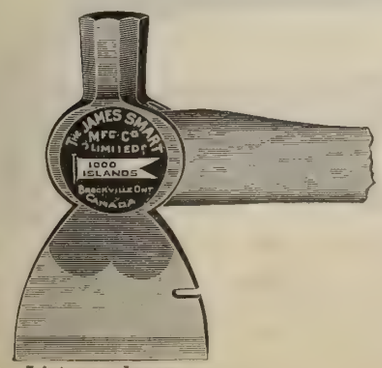


No. 1. List per dozen 21.00

Blued Finish.

Cast steel; tempered bit and head; carefully ground and sharpened; octagon head; polished face and bit; 3½ inch cut; 13-inch handle of selected wood, securely wedged and perfectly hung; average weight per dozen, 19½ pounds.

½ dozen in a box.



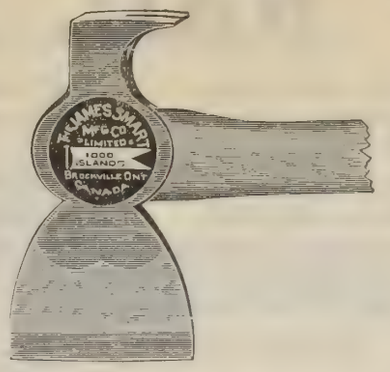
No. 2. List per dozen 22.80

Blued Finish.

Cast steel; tempered bit and head; carefully ground and sharpened; octagon head; polished face and bit; 3⅞ inch cut; 13-inch handle of selected wood, securely wedged and perfectly hung; average weight per dozen, 20½ pounds.

½ dozen in a box.

CLAW HATCHETS.



No.	Cut, ins.	Av. wt. doz. lbs.	List per dozen
7	3½	19½	24.00

Blued Finish.

Cast steel; tempered bit and head; carefully ground and sharpened; square claw head; polished face and bit; 13-inch selected handle, securely wedged and perfectly hung.

½ dozen in a box

No. 8. List per dozen 25.50

Blued Finish.

Cast steel; tempered bit and head; carefully ground and sharpened; square claw head; polished face and bit; 3⅞-inch cut; 13-inch selected handle, securely wedged and perfectly hung; average weight per dozen, 20½ pounds.

½ dozen in a box.

BARREL HATCHETS

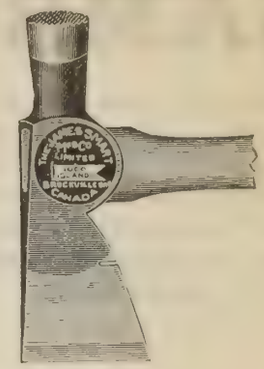
No. 50. List per dozen 29.00

Round Head; Polished.

Forged steel; 2¼ inch bit, carefully tempered, ground and sharpened; checked face; two nail slots; length over all, 6¼ inches; 13 inch selected handle, securely wedged; average weight per dozen, 14 pounds.

½ dozen in a box.

LATH HATCHETS.

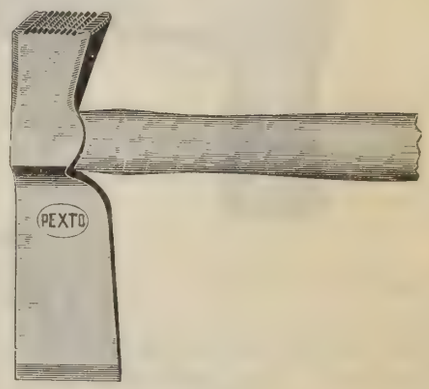


No. 3. List per dozen 21.60

Blued Finish.

Cast steel; 2½ inch bit, carefully tempered, ground, sharpened and polished; round head with checked face; length over all 6¼ inches; 13 inch handle of selected wood, securely wedged and perfectly hung; average weight per dozen, 15 pounds.

½ dozen in a box.



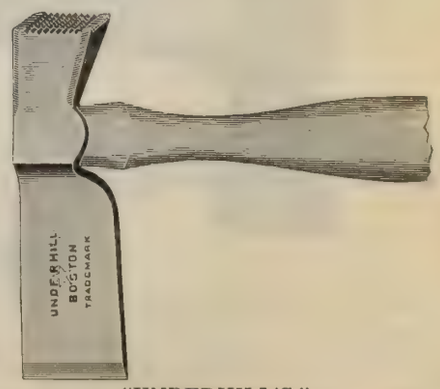
"PEXTO."

No. 161. List per dozen 72.00

Nine Row; Underhill Pattern.

Forged from best grade crucible steel; scientifically hardened and tempered; fine finish; 2 inch bit; square head with checked face; selected second growth hickory handle, thoroughly seasoned and securely wedged; average weight per dozen, 17 pounds.

½ dozen in a box.



"UNDERHILL'S."

St. Louis Pattern. List per dozen 97.20

Forged from the highest grade tool steel; each hatchet tempered separately; hardened head; full polished; 2 inch cut; length 6½ inches; 8 rows, 64 points checked on face; selected hickory, wide grip handle, securely wedged into the head; average weight per dozen 19 pounds.

½ dozen in a box.

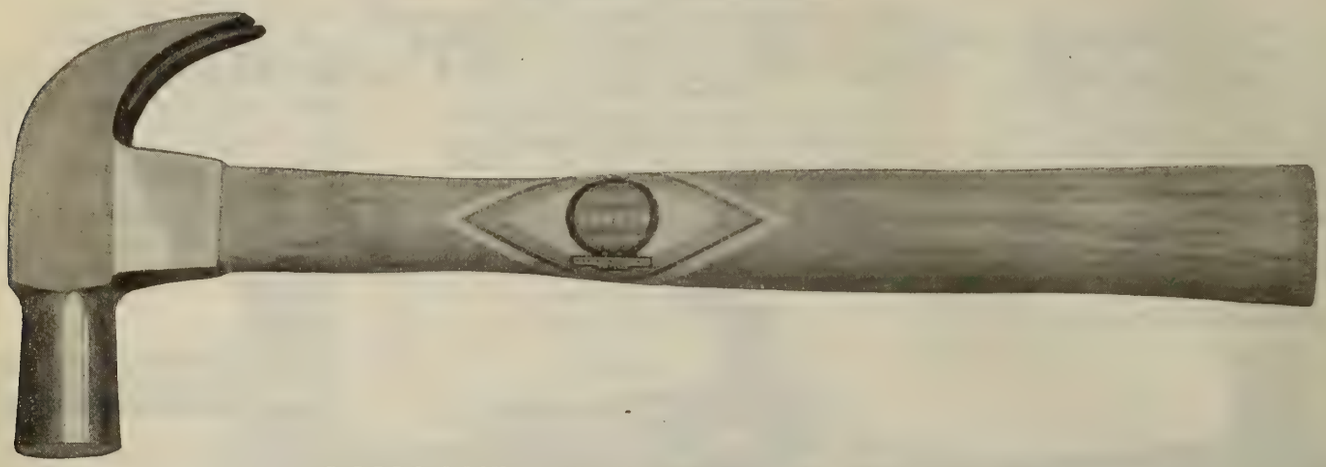
"SAMSON" NAIL HAMMERS

Drop-forged from the very highest quality steel, heat treated, specially hardened and tempered to withstand hard usage; their shape gives perfect balance and striking power. A superior feature of this line is the pitch of the claws which gives a fast and powerful draw; the split, varying with the weight of the hammer, enables the claws to take a nail down to the smallest brad.

The heads are extra fine finished, plain face hammers, being full polished, the bell face hammers having black neck.

The handles are selected second growth, straight grain, air dried white hickory, correctly flared at the grip which gives the hand a "comfort" hold and prevents slipping; wax finish; special steel wedges prevent the handles from working loose.

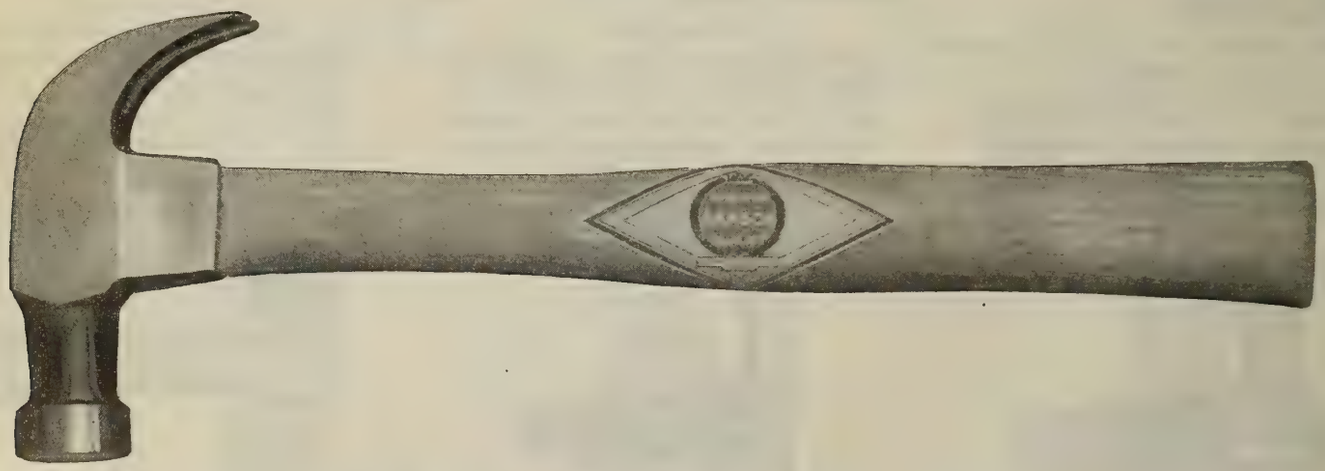
PERFECTLY BALANCED



"SAMSON" ADZE EYE; PLAIN FACE

Number	814	812	811
List per dozen	30.50	32.00	32.40
Weight each (less handles) ounces	7	16	20
Average weight dozen (handled) pounds	9	18	21¼

½ dozen in a box.



"SAMSON" ADZE EYE; BELL FACE

Number	842	832	822	821
List per dozen	30.50	31.50	32.00	32.40
Weight each (less handles) ounces	7	13	16	20
Average weight dozen (handled) pounds	9¼	12¾	18½	21½

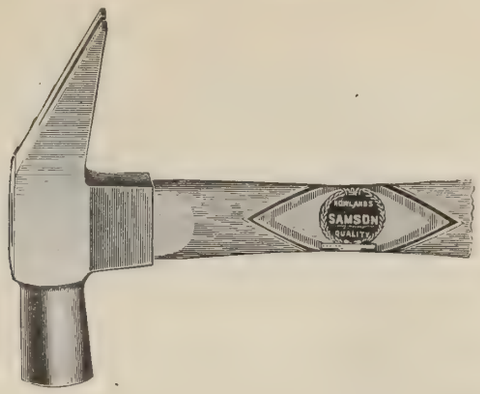
½ dozen in a box.

GUARANTEED

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

SAMSON NAIL HAMMERS



"SAMSON" ADZE EYE; PLAIN FACE; BOX OPENER CLAW

No. 851. List per dozen **34.80**

20 Ounce Head.

Head Drop forged from the very highest quality steel; specially hardened and tempered, extra fine finish and full polished; selected second growth, straight grain white hickory handle with "comfort" grip; average weight per dozen, 17 pounds.

1/2 dozen in a box.

PERFECTLY BALANCED. FULLY GUARANTEED.

NAIL HAMMERS

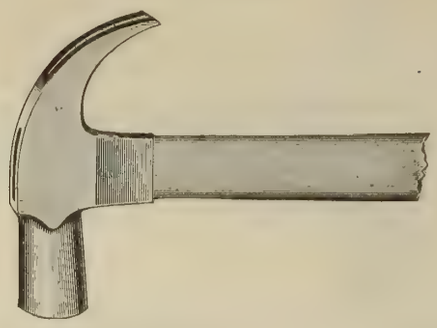
No. 31. List per dozen 13.20

Adze Eye; Plain Face.

Weight each (less handle) 1 pound; high quality drop-forged carbon steel carefully hardened and tempered, polished face and back of claws, wax finished handles securely wedged, average weight per dozen, 14 pounds.

1/2 dozen in a box.

NAIL HAMMERS



No. 016. List per dozen 13.50

Adze Eye; Plain Face.

Weight each (less handle) 1 pound; special high carbon steel head carefully hardened and tempered, polished; fitted with selected handle; average weight per dozen, 15 pounds.

1/2 dozen in a box.

NAIL HAMMERS

"WAVERLEY."

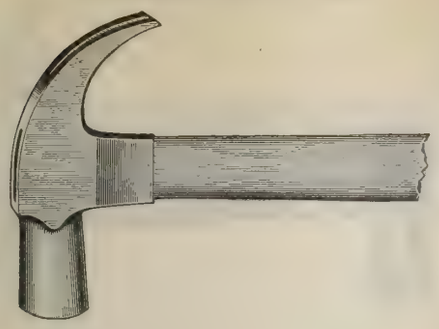
No. 15. List per dozen 20.40

Adze Eye; Plain Face.

Weight each (less handle) 8 ounces; solid cast steel head; carefully tempered, hardened and full polished; fitted with straight grained hickory handle, securely wedged; average weight per dozen, 5 pounds.

1/2 dozen in a box.

NAIL HAMMERS.

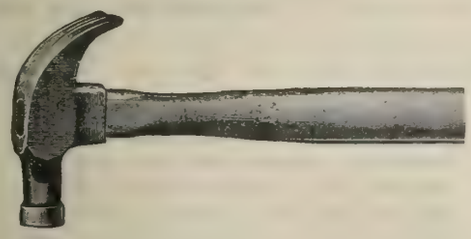


Nos.	104	400
List per dozen	10.00	11.00
Wt. each, (less handles), ozs.	16	16
App. wt. doz. (handled) lbs.	17	15

Adze Eye; Plain Face.

Fine grade, cast iron head; full polished; handled with good grade ash or hickory handle.

½ dozen in a box.



No. 014. List per dozen 14.40

Adze Eye; Bell Face.

Weight each (less handle) 1 pound; special high carbon cast steel head; carefully hardened and tempered, polished with blackened neck; fitted with selected handle, wax finish; average weight per dozen, 18 pounds.

½ dozen in a box.

No. 14. List per dozen 15.50

Adze Eye; Plain Face.

Weight each (less handle) 1 pound; polished steel head; good grade straight grained handle, securely wedged; average weight per dozen, 17 pounds.

½ dozen in a box.

NAIL HAMMERS

"WAVERLEY."

No. 16. List per dozen 25.50

Adze Eye; Plain Face.

Weight each (less handle) 1 pound; solid cast steel head; carefully tempered, hardened and full polished; fitted with straight grained hickory handle, securely wedged; average weight per dozen, 19 pounds.

½ dozen in a box.

"WAVERLEY."

No. 20. List per dozen 27.00

Adze Eye; Plain Face.

Weight each (less handle) 20 oz. Solid cast steel head; carefully tempered, hardened and full polished; fitted with straight grained hickory handle, securely wedged; average weight per dozen, 21 pounds.

½ dozen in a box.

"WAVERLEY."

No. 116. List per dozen 25.50

Adze Eye; Bell Face.

Weight each (less handle) 1 pound; solid cast steel head; carefully tempered and hardened; polished face and claws, blackened neck; fitted with straight grained hickory handle, securely wedged; average weight per dozen, 19 pounds.

½ dozen in a box.

NAIL HAMMERS.

"WAVERLEY."

No. 120. List per dozen 27.00

Adze Eye; Bell Face.

Weight each (less handle) 20 ounces; solid cast steel, carefully tempered and hardened; polished face and claws; blackened neck; fitted with straight grain hickory handles; average weight per dozen handled, 21 pounds.

½ dozen in a box.

Nos.	63	61½
List per dozen	31.00	32.00
Weight each (less handles) ozs.	7	16
Av. Wt. doz. (handled) lbs.	10	17½

Adze Eye; Bell Face.

Solid cast steel; polished head, claw and face, black neck; carefully shaped; fitted with selected straight grained hickory handle, securely wedged.

½ dozen in a box.

Canadian Make

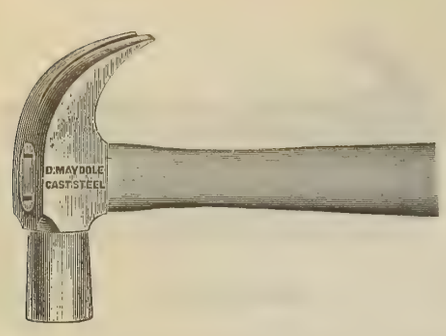
Nos.	41½	41
List per dozen	32.00	32.40
Wt. each (less handles) ozs.	16	20
Av. Wt. doz. (handled) lbs.	18	21

Adze Eye; Plain Face.

High quality drop forged steel; carefully hardened and tempered; fitted with handles of second growth white hickory, securely wedged.

½ dozen in a box.

NAIL HAMMERS.



"Maydole's."

Nos.	1½	1
List per dozen	48.00	52.00
Wt. each (less handles) ozs.	16	20
App. Wt. dozen (handled) lbs.	18	23

Adze Eye; Plain Face.

Forged from the highest grade crucible cast steel, tempered and hardened by the Maydole process; securely wedged, varnished handles of selected second growth hickory.

½ dozen in a box.

"Maydole's."

Nos.	13	12	11½	11
List per dozen	40.00	45.00	48.00	52.00
Wt. each. (less hdls) oz	7	12	16	19
Av. wt. dz. (handl'd) lbs.	9¼	14	18	22

Adze Eye; Bell Face.

Forged from highest grade crucible cast steel, tempered and hardened by the Maydole process; securely wedged handles of selected second growth hickory, varnished.

½ dozen in a box.

JOINERS' NAIL HAMMERS

"Maydole's"

No.	23
List per dozen	36.00
Wt. each (less handles) ozs.	7
Av. wt. doz. (handled) lbs.	7½

Plain Eye; Plain Face.

Forged from highest grade crucible cast steel, tempered and hardened by the Maydole process; securely wedged handles of selected second growth hickory, varnished.

½ dozen in a box.

RIVETTING HAMMERS

Nos.	Wt of. head, oz.	Av. wt. doz. lbs.	List per doz.
8	4	5¼	19.20
7	7	8½	21.00
6	9	9¼	22.00
5	12	11	23.00
4	15	13½	24.00
3	18	20	26.00
2	22	21	26.50

Plain Eye; Cross Pein; Full Polished.

Drop forged head with hardened pein and face; securely wedged, selected hickory handles; correct in shape and balance.

½ dozen in a box.

MACHINISTS' HAMMERS

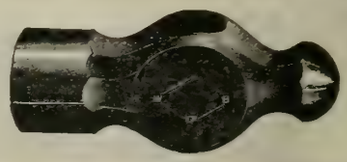
Ball Pein; Handled.

Nos.	12J	12 I	12H	12G	12F
List per doz.	21.50	21.50	21.50	21.50	23.30
Wt., less hdl. oz.	6	8	12	16	20
Av. wt. doz., lbs.	7½	9½	13	15½	21¼

Nos.	12E	12D	12C	12B	12A
List per doz.	25.20	26.70	29.00	31.20	32.00
Wt., less hdl. oz.	24	28	32	36	40
Av. wt. doz., lbs.	24	27	30	33½	35½

Drop forged from selected high grade carbon steel, carefully hardened and tempered; polished pein and face; oil finished poll; selected second growth, straight grain, white hickory handle; wax finish; securely wedged and perfectly balanced.

½ dozen in a box.



No. 12. Ball Pein; Unhandled.

Weight, lbs.	List per lb.
1	1.60
1¼	1.40
1½	1.40
1¾	1.40
2	1.40
2¼	1.40

Drop-forged from selected grade high carbon steel, carefully hardened and tempered; polished pein and face, oil finished poll.

Open Stock.

TINNERS' SETTING HAMMERS

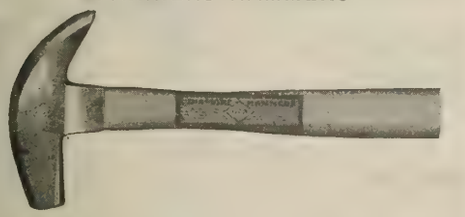
Nos.	0	000
List per dozen	22.40	24.00
Wt. head, lbs.	¾	1
Length head, ins.	5	5¼
Av. wt. doz., lbs.	12½	18

Bevelled Corners

Forged from highest grade hammer steel, carefully tempered and full polished; selected, second growth hickory handle, securely wedged.

½ dozen in a box.

FARRIERS' HAMMERS

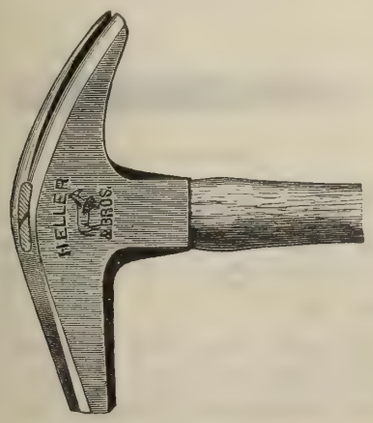


No. 7. List per dozen 26.50

Adze Eye; Octagon Poll.

Polished drop forged steel head, carefully tempered and hardened; selected second growth hickory handles; weight of head, 9 ounces; average weight per dozen, 10 pounds.

½ dozen in a box.



"Heller Bros."

No. 64. Driving.

Weight, (handled) ozs.	13	15
List per dozen	48.00	48.00
Weight dozen, lbs.	11	12½

Adze Eye; Polished.

Special refined crucible tool steel head, perfectly tempered; selected second growth hickory handles; carefully balanced.

½ dozen in a box.

BRICK HAMMERS

No. 40. List per dozen 35.60

Adze Eye.

Forged from high grade steel, carefully tempered and hardened; polished face and bit, blued head; selected handle, properly hung and wedged; weight of head 1½ pounds; size 8 inches long, 1⅛ inches wide, 1 1/16 inch square face; average weight per dozen, 23 pounds.

½ dozen in a box.

SHOE HAMMERS

No. 4. List per dozen 6.50

Cast; japanned head with polished face; 3¼ inches long, 1⅜ inch face; 8-inch handle; average weight per dozen, 12 pounds.

1 dozen in a box.

TACK HAMMERS

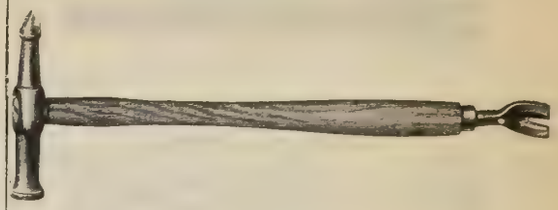
No. 205. List per dozen 3.20

Nickel Plated.

Cast iron head; varnished hardwood handle 11 inches long; average weight per dozen, 3 pounds.

1 dozen in a box.

TACK HAMMERS

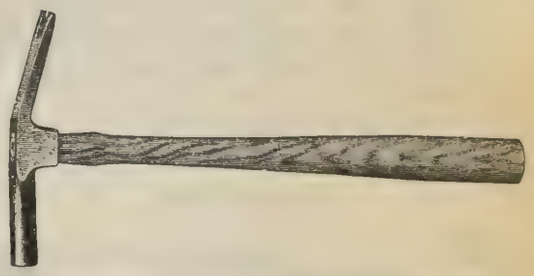


No. 9. List per dozen 7.20

Magnetic Head.

Cast iron, nickel plated head (4 inches long) and claw; brass ferrule; 10 inch hardwood handle; average weight per dozen, 4¼ lbs.

1 dozen in a box.



No. N. 100. List per dozen 8.00

Upholsterers' Pattern.

Nickel plated, cast iron head, 5½ inches long, ½ inch face; adze eye; varnished hickory handle 10½ inches long; average weight per dozen, 4 pounds.

10/12 dozen in a box.

TACK CLAWS

No. 6900. List per dozen 3.30

¼ inch square blued steel shank and claw; 4-inch stained hardwood handle; length over all 7 inches; average weight per dozen, 2 pounds.

1 dozen in a box.

BOX CHISELS

No. 72. List per dozen 16.80

12-inch; Steel Faced.

Japanned wrought iron; bright steel faced claws; length 12 inches; diameter ¾-inch; average weight per dozen, 17½ pounds.

½ dozen in a box.

NAIL CLAWS

No. 2. List per dozen 12.00

Japanned malleable iron head and shank; polished hardwood handle with screw eye on the end; brass ferrule; size 8-inch handle, five tine head 3 inches wide; 4½ inch shank; average weight per box, 3¼ pounds.

5/12 dozen in a box.

NAIL PULLERS

"Suregrip."

No. 56. List per dozen 36.00

High grade steel; black enamelled handle, other parts natural finish with polished jaw points; automatic claw, hardened and tempered; ¾ x ½ inch shank; box joint; length 18 inches; average weight per dozen, 50 pounds.

Open Stock.

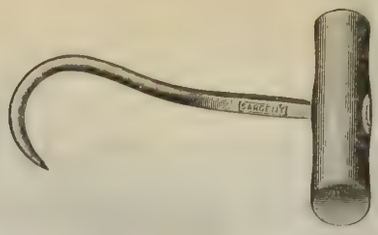
"New Jumbo."

No. 57. List per dozen 40.00

Finest quality forged tool steel jaws and shank, scientifically hardened and tempered; automatic claw; adjustable joint; rammer black enamelled; shank guard and claw highly polished; length 18 ins.; average weight per dozen, 60 pounds.

Open Stock.

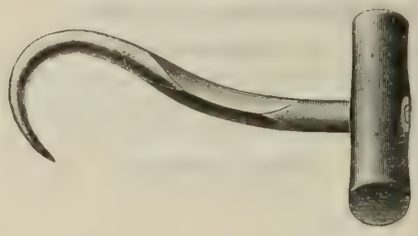
BOX HOOKS



No. 2. List per dozen 10.00

5/16-inch polished steel hook, 6 inches long from bend to under handle; square shank; round body; 5-inch hardwood handle; shank passes through handle and is rivetted at end; average weight per dozen, 5½ pounds.

1 dozen in a box.

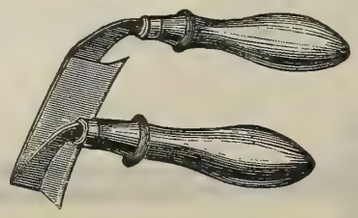


No. 15. List per dozen 10.80

Polished steel hook, 7½ inches long from bend to under handle; diamond shape neck; round tapered point; hardwood handle 5¼ x 1⅛-inch; shank passes through handle and is rivetted at end; average weight per dozen, 7 pounds.

½ dozen in a box.

BOX SCRAPERS



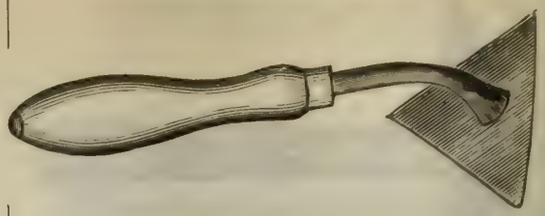
No. 11. List per dozen 17.30

Double Handle.

Forged steel curved blade 4¼ x 1½ inches; tempered, ground and sharpened; brass ferrules; 5-inch rivetted hardwood handles; average weight per dozen, 9 pounds.

½ dozen in a box.

BOX SCRAPERS



No. 1. List per dozen 12.00

3¾-inch triangular tool steel blade, tempered and ground; malleable iron shank; steel ferrule, 6¼-inch varnished hardwood handle; length over all, 10½ inches; average weight per dozen, 7½ pounds.

½ dozen in a box.

COLD CHISELS

No. 200.

Diam., ins.	⅜	½	⅝
List per dozen	3.90	3.90	6.00
Width cut, ins.	½	⅝	¾
Length, ins.	6½	6½	7
App. wgt. doz., lbs	3	4	6

Diam., ins.	¾	⅞	1
List per dozen	8.50	11.00	13.50
Width cut, ins.	⅞	1 1/16	1⅛
Length, ins.	7¼	7½	7½
App. wgt. doz. lbs.	9	13½	17

Best Cast steel; hexagon; polished bit, tempered and sharpened; lacquered body.

½ dozen in a box.

"Sharpen Ezy."

Width Blade, ins.	½	⅝	¾	⅞
List per dozen	5.50	8.00	12.00	17.00
Length over all, ins.	6⅜	6¾	7⅛	7¼
Av. wt. doz. pounds	3	4¼	7¼	10¾
Doz. in a box	1	1	½	½

High quality drop forged tool steel; polished head and blade; natural finish fluted handle; the blade can be ground and sharpened until entirely used.

MACHINISTS' DRIFT PUNCHES

8-inch. List per dozen 3.60

Forged octagon steel; oil finish; polished head and round tapered point; ½-inch diameter; 3/16-inch point; average weight per dozen, 9 pounds.

1 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

CARPENTERS WRECKING BARS

Length, inches	**12**	**18**
List per dozen	**4.00**	**6.00**
Diam. inches	1/2	5/8
Ap. wt. each, lbs.	3/4	2

Goose Neck.

Forged from octagon tool steel; japanned finish, hardened chisel point at one end and goose neck bend with hardened nail claw at the other.

Open stock.

PRICK PUNCHES

No. 5. List per dozen 4.80

Forged steel; polished point; black octagon body; length 4½ inches; average weight per dozen, 21 ozs.

1 dozen in a box.

CENTRE PUNCHES

"Torrington."

Nos.	1	2	3
List per dozen	3.20	3.20	3.20
Diam. body, ins	8/32	9/32	10/32
Diam. point, ins.	3/16	¼	5/16
Av. wt. doz. ozs.	10	11½	13

Solid; 4 inches long.

Swaged from special high grade tool steel; polished point and head; blued finish knurled body.

1 dozen in a box.

STAR DRILLS

Diam, ins.	⅜	½	⅝	¾
List per dozen	10.00	11.60	14.00	16.50
Av. wt. doz. lbs.	2¾	5	7¼	8½
Diam. steel, ins.	9/32	⅜	7/16	½
Length, ins.	12	12	12	12

For Brick and Concrete.

Made of high grade octagon crucible steel; hand forged and tempered; natural finish.

Open Stock.

CARPENTERS' WRECKING BARS.

Length, ins.	24	30	36
List per dozen	9.00	10.50	12.50
Av. wt. each, lbs.	3¾	4¾	5¾

Goose Neck.

Forged from ¾-inch Octagon Tool Steel; oil finish hardened chisel point at one end and goose neck bend with hardened nail claw at the other.

Open Stock.

JACK SCREWS

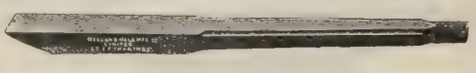
Size, inches	1¾x10	2x13	2x16
List each	11.00	16.00	18.50
Diam. screw, inches	1¾	2	2
Height stand, inches	10	13	16
Length screw, ins.	10	13	16
Height, screwed down, ins.	14	18	21
Capacity, tons	16	20	20
Av. weight each, lbs.	20	40	45

Bell Bottom

Painted red; cast iron stand; forged screw with machine cut square threads; cast iron swivel cap strengthened by wrought iron bands in the larger sizes.

Open stock.

CROW BARS



Chisel Point.

Weight each, lbs.	10	12	14
List per 100 lbs.	16.00	16.00	16.00
Length	4′	4′4″	4′6″
Size square, inch.	1⅛	1⅛	1¼
Weight each, lbs.	16	18	20
List per 100 lbs.	16.00	16.00	16.00
Length	4′8″	5′	5′2″
Size square, inch	1¼	1¼	1¼

Made of high carbon steel; oil finish; round tapered handle.

Open Stock.

DIGGING OR TAMPING BARS

Wedge Point.

20 lbs. List per 100 lbs. 18.50

6½—7 feet.

Solid high carbon steel; oiled finish; 1⅛ inch square head; round tapered handle; length 6½ to 7 feet.

Open Stock.

BLACKSMITHS SLEDGES

Cross Pein.

No. 45. Weight, lbs.	6	8	10

List per 100 lbs., all sizes 29.50

Solid forged tool steel; oil finish; polished and hardened face and pein; unhandled.

Open Stock.

MASONS' HAMMERS

Spalling or Stone Hammers.

No. 50. Weight, lbs.	3½	4	5	6	8
List per lb.	.52	.52	.42½	.42½	.42½
Weight, lbs.	10	12	20	22	24
List per lb.	.42½	.42½	.42½	.42½	.42½

Single Face.

Solid forged tool steel; oil finish; polished and hardened face and pein; unhandled.

Open Stock.

STRIKING HAMMERS

Double Face.

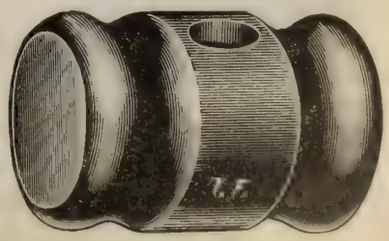
No. 57. Weight, lbs.	3	4	5	6	7
List per lb.	.42½	.42½	.29½	.29½	.29½
Weight, lbs.	8	10	12	16	
List per lb.	.29½	29½	.29½	.29½	

Long Pattern.

Solid forged tool steel; oil finish; polished and hardened faces; unhandled.

Open Stock.

POST MAULS



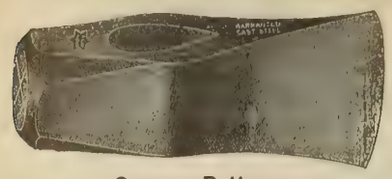
No. 4. Weight each, lbs.	8	10	12	15

List per 100 lbs., all sizes 21.20

Japanned cast iron solid head; oval eye; sold at marked weight.

Open Stock.

WOOD CHOPPERS' MAULS



Oregon Pattern.

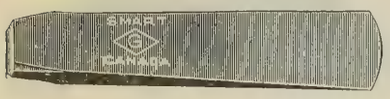
No. 248.

Weight each, lbs.	6	7	8	
List per 100 lbs., all sizes	37.00			

Axe eye; single bit solid cast steel oil finish; hardened head and bit.

Open Stock.

WOOD CHOPPERS' WEDGES

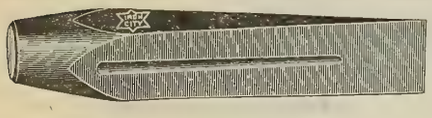


No. 75—Square Head.

Weight, each, lbs.	5	6	7	8
List per 100 lbs., all sizes	23.00			

High quality forged steel; oiled finish; hardened head and bit.

Open Stock.



Truckee Pattern.

No. 73. Cast Steel.

Weight each, lbs.	5	6	7	8	
List 100 lbs., all sizes	25.00				

No. 74. Solid Steel.

Weight each, lbs.	5	6	7	8	9
List 100 lbs., all sizes	28.00				

Black oiled finish; hardened head and bit.

Open Stock.

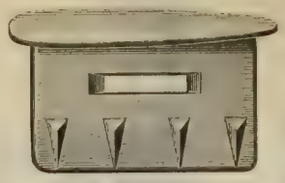
SAW WEDGES.

Weight each, pounds.	Size inches.	List per 100 lbs.
¾	5 x 2¼	47.00
1	5½ x 2¾	40.00
1¼	6 x 2⅞	36.00
1½	6½ x 3	36.00
1¾	7 x 3¼	35.00
2½	7½ x 4¼	28.00

Hand forged of hard steel; oiled finish; made to withstand hard usage; weights subject to variation of 2 ounces.

Open Stock.

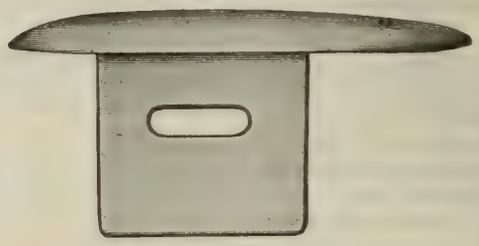
AXE WEDGES



No. 3. List per gross 8.40

Malleable iron; natural finish; 2 inches wide, 1⅛ inches deep under head; average weight per dozen, 1¼ pounds.

1/6 gross in a box.



"Perfection." List per dozen 2.10

Japanned malleable iron; bit 2 x 1½ inches; head 4¼ x 15/16 inches, with oval top; average weight per dozen, 4 pounds.

1/12 gross in a box.

No. 1. List per gross 24.80

Malleable iron; bright finish; size 2 x 2⅜ inches over all; V-shaped wedge; average weight per dozen, 1¾ pounds.

1/12 gross in a box.

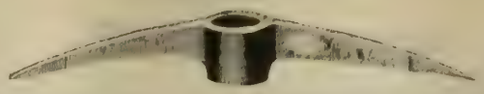
CAR MOVERS

"Samson." List each 12.50

A powerful device for moving railway cars; japanned malleable iron castings; tool steel spur; varnished maple tapering handle 2½ inches diameter; length over all 64 inches; average weight, 15 pounds.

Open Stock.

CLAY PICKS



Weights, lbs.	5-6	6-7	7-8	8
List per dozen	15.60	17.00	18.50	19.50
Av. length, ins.	22	24	26	26

Made of one solid piece high carbon steel, scientifically hardened and tempered; one chisel point 1¼ inches wide and one diamond point; adze eye; painted black with polished points.

1 dozen in a case.

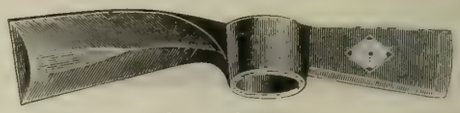
MATTOCKS

Pick.

5½-pound. List per dozen 19.20

One solid piece high carbon steel, carefully tempered and ground; solid punched adze eye; painted black; size:—hoe 8 x 4¼ inches; pick 8 inches long; length over all, 19 inches; average weight per case, 142 pounds.

1 dozen in a case.



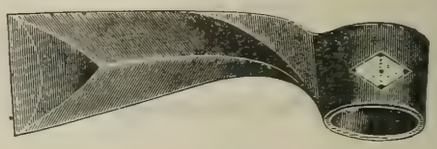
Long Cutter.

6-pound. List per dozen 20.00

One solid piece high carbon steel, carefully tempered and ground;; solid punched adze eye; painted black; size:—hoe 7 x 4¼ inches, cutter 5¼ x 3¾ inches, length over all, 17 inches; average weight per case, 146 pounds.

1 dozen in a case.

GRUB AND CLAY HOES



No. 2. Grub Hoes. List per dozen 16.00

4-pound.

One solid piece high carbon steel, scientifically tempered; solid punched adze eye; painted black; 4¼ inch blade; average weight per case, 99 pounds.

2 dozen in a case.

No. 1. Clay Hoes. List per dozen 30.00

5-pound-

Oval adze eye; extra quality steel blade painted black; polished bit and head; carefully tempered; specially made for contractors' work; width of hoe, 3 ins.; 1⅜ x 1¼-inch head, average weight per case, 105 pounds.

2 dozen in a case.

SAMSON HANDLES

Extra selected, thoroughly seasoned, second growth hickory, wax finish and highly polished; perfect in shape and balance.

FULLY GUARANTEED

LATH HATCHET HANDLES

"SAMSON."

"Special." List per dozen 3.00

12 Inches Long.

Wide grip; specially made for "Underhill" lath hatchets; average weight per dozen, 6 pounds.

Open stock.

PICK HANDLES

"SAMSON."

36 Inch. List per dozen 13.00

Average weight per dozen, 27 pounds.

1 dozen in a crate.

ADZE HANDLES

House Carpenters'. List per dozen 9.60

32-inch.
Selected white ash; thoroughly seasoned; correctly shaped; wax finish; average weight per dozen, 14 pounds.
2 dozen in a crate.

PICK HANDLES

Clay or Railroad.

"Maple." List per dozen 7.00

Length 36 inches; thoroughly seasoned maple; wax finish; carefully turned; average weight per crate, 60 pounds.
2 dozen in a crate.

No. "A". List per dozen 7.60

No. 1 red hickory; length 36 inches; well seasoned wood nicely finished; average weight per crate, 47 pounds.
2 dozen in a crate.

No. 2. List per dozen 9.00

Extra hickory; length 36 inches; waxed; mixed white and red with occasional streaks;; carefully turned; average weight per crate, 48 pounds.
2 dozen in a crate.

No. 25. List per dozen 9.00

Second growth ash; straight grained; waxed; length 36 inches; thoroughly seasoned and carefully turned; average weight per crate, 53 pounds.
2 dozen in a crate.

No. 1. List per dozen 11.70

2nd growth hickory, straight grained, thoroughly seasoned; length 36 inches; uniform in shape and finish; average weight per crate, 66 pounds.
2 dozen in a crate.

ADZE EYE HAMMER HANDLES

"WAVERLEY."

14-inch. List per dozen 1.50

Selected second growth hickory; thoroughly seasoned; wax finish and polished; average weight per dozen, 3½ pounds.
12 dozen in a case.

"SAMSON" HANDLES

Extra selected, thoroughly seasoned, second-growth hickory; highest grade; wax finish and highly polished; correct in shape, well balanced and carefully finished. Each handle bears our "SAMSON" label.

Fully Guaranteed.

ADZE EYE HAMMER HANDLES.

"SAMSON."

14-inch. List per dozen 2.80
Average weight per dozen, 4½ pounds.
1 dozen in a box.

RIVETTING HAMMER HANDLES.

"SAMSON."

Length, inches	12	14
List per dozen	2.80	2.80
Approximate weight dozen, pounds	1¼	2

6 dozen in a case.

MACHINISTS' HAMMER HANDLES

"SAMSON."

Length, inches	12	14	16	18	22	24
List per dozen	2.80	2.80	3.20	3.60	4.60	5.00
App. wt. doz., lbs.	2½	3¼	4¾	5¼	6	6½

6 dozen in a case.

SLEDGE HANDLES

"SAMSON."

Length, inches	30	32	34	36
List per dozen	5.50	7.20	8.60	8.60
App. wt. doz., lbs.	11	12¾	13¼	14

3 dozen in a crate.

HATCHET HANDLES

"SAMSON."

14-inch. List per dozen 3.00
Slotted end; average weight per dozen, 3 pounds.
6 dozen in a case.

BENCH AXE HANDLES

"SAMSON."

Length, inches	16	18
List per dozen	3.60	4.20
App. wt. dozen, lbs.	4¾	5¼

6 dozen in a case.

HUNTERS' AXE HANDLES

"SAMSON."

16-inch. List per dozen 3.60
Average weight per dozen, 4 pounds.
6 dozen in a case.

SAMSON AXE HANDLES

Extra selected, thoroughly seasoned, second-growth hickory; highest grade; wax finish highly polished; correct in shape, well balanced and carefully finished. Each handle bears our "SAMSON" label, and is wrapped in a separate paper bag.

FULLY GUARANTEED

"SAMSON" 36-inch; Single Bit; Oval.

2 dozen crates. List per dozen 14.50

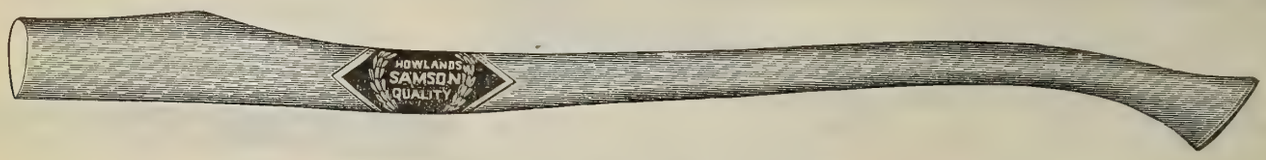
1 dozen crates. List per dozen 14.80

Sold only in full crates; average weight per dozen, 23 pounds.

"SAMSON" 36-inch; Single Bit; Octagon.

2 dozen crates. List per dozen 14.50

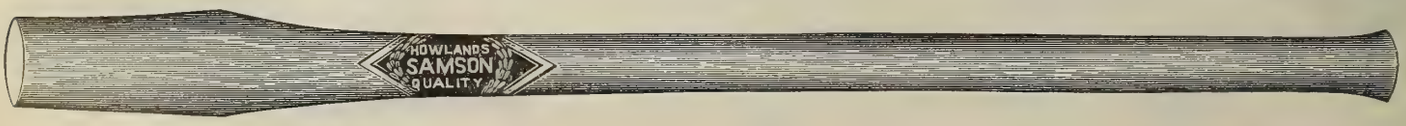
Sold only in full crates; average weight per crate, 46 pounds.



"SAMSON" 32-inch; Single Bit; Oval.

2 dozen crates. List per dozen 14.50

Sold only in full crates; average weight per crate, 37 pounds.



"SAMSON" 36-inch; Double Bit; Oval.

2 dozen crates. List per dozen 14.50

Sold only in full crates; average weight per crate, 46 pounds.

"SAMSON" 32-inch; Broad Axe; Reversible.

1 dozen crates. List per dozen 12.00

Open stock; average weight per crate, 24 pounds.

AXE HANDLES

"VICTOR"

Fine quality hickory; thoroughly seasoned, well balanced and finished; wax finish and polished; each handle labelled and wrapped in separate paper bag.

"Victor" 36-inch; Single Bit; Oval.

2-dozen crates. List per dozen 11.00

1-dozen crates. List per dozen 11.30

Average weight per dozen, 21 pounds.

Sold only in full crates.

"Victor" 32-inch; Single Bit; Oval.

2-dozen crates. List per dozen 11.00

Average weight per crate, 35 pounds.

Sold only in full crates.

"Victor" 36-inch; Double Bit; Oval.

2 dozen crates. List per dozen 11.00

Average weight per crate, 42 pounds.

Sold only in full crates.

"Victor" 32-inch; Double Bit; Oval.

2-dozen crates. List per dozen 11.00

Average weight per crate, 35 pounds.

Sold only in full crates.

"Victor"; Boys'; 28-inch; Single Bit; Oval.

2 dozen crates. List per dozen 10.50

Average weight per crate 18 pounds.

Open Stock.

AXE HANDLES

36-inch; Single Bit; Oval.

No. 3. List per dozen 4.50

No. 3 hickory; occasional spots and streaks; waxed; sold only in full crates; average weight per crate, 34 pounds.
2 dozen in a crate.

36-inch; Single Bit; Oval.

No. 2. List per dozen 6.70

No. 2 hickory; standard pattern; waxed; sold only in full crates; average weight per crate, 35 pounds.
2 dozen in a crate.

36-inch; Single Bit; Oval.

No. 15. List per dozen 6.70

Maple; thoroughly seasoned; well balanced; waxed; sold only in full crates; average weight per crate, 35 pounds.
2 dozen in a crate.

36-inch; Single Bit; Oval.

No. 333. List per dozen 8.80

Selected second-growth ash; well seasoned; wax finish; sold only in full crates; average weight per crate, 36 lbs.
2 dozen in a crate.

36-inch; Single Bit; Oval.

"Star Oak." List per dozen 11.80

Selected best quality blue oak; each handle labelled and wrapped in a paper bag; sold only in full crates; average weight per crate, 34 pounds.
2 dozen in a crate.

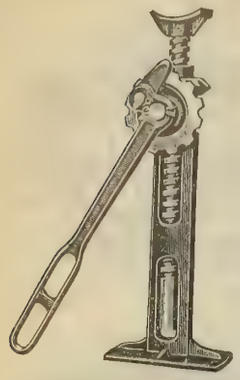
BOYS' OVAL AXE HANDLES

28-inch; Single Bit; Oval.

Maple. List per dozen 4.00

Thoroughly seasoned; straight grained; waxed and polished; average weight per crate of 2 dozen, 18 pounds.
Open Stock.

AUTOMOBILE JACKS



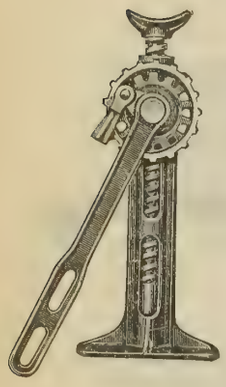
"Reliable."

No. 25. List each 2.00

Rotary Screw Jack.

Lifts 1,000 pounds; malleable iron frame; ⅝-inch cold rolled steel screw with machine cut threads; self-locking at every point; black japanned finish; height lowered, 10 inches; height raised, 16¼ ins.; average weight each, 3 pounds.

Open Stock.



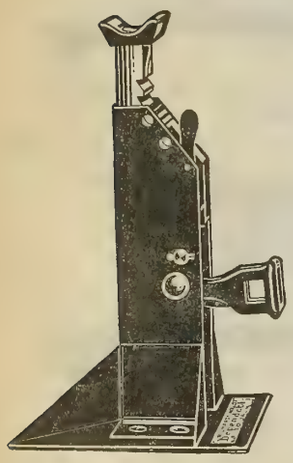
"Reliable."

No. 32. List each.. 2.40

Rotary Screw Jack.

Lifts 2,000 pounds; malleable iron frame; ¾-inch cold rolled steel screw with machine cut threads; self-locking at every point; black japanned finish; height lowered, 10 inches; height extended, 16 ins.; average weight each, 4 pounds.

Open Stock.



"Dependable."

No. 300.

List each 4.50

Ratchet.

Tested to lift 1,000 pounds; steel case of 14-gauge; ¾-in. solid steel bar with perfect teeth; simple and effective mechanism; flat steel twisted bar handle 15 inches long; blue enamel finish; size: base 5½ x 3½ ins., height lowered, 10½ inches; height raised 16¾ inches; average weight each, 5¾ lbs.

6 in a carton.

"Reliable."

No. 44.

List each 4.50

High Speed Ratchet.

Lifts 1 ton; highest grade malleable iron castings, perfectly fitted, easy to operate; black japanned finish with 13½-inch hardwood handle; height lowered, 10½ inches, height extended, 17 inches; with foot extension; average weight each, 7½ pounds.

1 in a carton.

AUTOMOBILE JACKS

No. 200. List each 3.70

Rotary Screw Jack.

For all passenger cars; malleable iron frame; accurately machined screw and gears; long handle; rotary cap; blue enamel finish; height:—lowered, 9¾ inches; raised, 15¾ inches; average weight each, 5 pounds.

6 in a carton.

"Peteler."

10½-inch. List each 11.50

36-inch Extension Handle.

Lifts 3,000 pounds with wide margin of safety; made of finest materials throughout; cold rolled steel lifting bar; tool steel pawls, other working parts of pressed steel; 1⅛-inch screw; black and red enamelled finish; height lowered 10½ inches, height raised 17⅜ inches; average weight each, 11¾ pounds.

10 in a case.

"Miller's Falls."

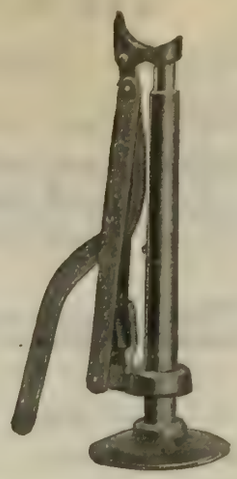
No. 145. List each 14.00

One Drive, Ball Bearing.

Capacity 4,000 pounds; steel working parts; iron base with checkered bottom; malleable iron barrel; forged steel cap and screw; ⅝-inch telescope rod of cold rolled steel, 36 inches full length, folds to 18 inches; black lustrous finish; minimum height, 9½ inches; maximum height, 17½ inches; average weight each, 12½ pounds; warranted.

1 in a carton.

TIRE SAVERS



Combination Jack and Tire Savers.

No. 1. List per set 8.80

For Light Cars, 4 in set.

Black japanned malleable iron; ¾-inch rod; steel coil spring; raises car 1⅜ inches; diameter of base 4½ inches; height over all, maximum 13 inches; raises from the axle; strong and serviceable; average weight per set, 19 pounds.

Open Stock.

WAGON JACKS

Sizes 1 and 2. Size 3.

No. 528—Automatic Locking.

Size 1. List per dozen 37.60

Capacity, 500 pounds; adjustable from 14 to 22½ inches; lifts 2¼ inches; height, 23½ inches; base 7 x 5 inches; average weight each, 7½ pounds.

Size 2. List per dozen 46.80

Capacity, 1,000 pounds; adjustable from 15 to 23 inches; lifts 2¼ inches; height, 24½ inches; base 7 x 5 inches; average weight each, 9 pounds.

Size 3. List per dozen 72.00

Capacity, 1,500 pounds; all steel, black japanned; compound levers; extra heavy bearings; twin lift bars; adjustable from 16 to 25 inches; lifts 2¼ inches; height, 25¾ inches; base 4 x 8½ inches; securely rivetted; average weight each, 15 pounds.

All steel, black japanned; twin lift bars; for wagons and other vehicles.

Open Stock.

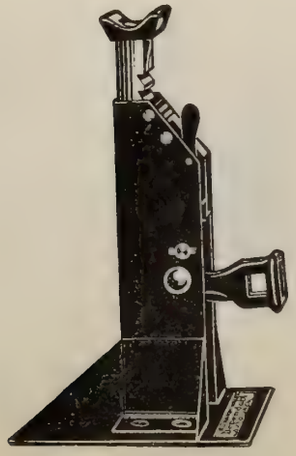
H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

AUTOMOBILE JACKS

"DEPENDABLE."

No. 400. List each **5.50**

Ratchet.



For any cars weighing up to 5,000 lbs.; small in size, big in power; 14 gauge steel case; 3/4 inch solid steel rack with perfect teeth; simple and effective mechanism—nothing but two dogs, lever, spring and shift key; flat steel twisted bar handle 15 inches long; heavy braced base 3½ x 5½ inches; height lowered, 10½ inches; lifts 6 inches; enamelled finish; equipped with extra spring; weight each, 8 pounds.

6 in a carton.

NOTE:—This takes the place of No. 300 Jack shown on page 80, the makers having discontinued making it.

GENERAL DESCRIPTION OF FILES AND RASPS

FILES AND RASPS ARE CLASSIFIED BY THREE FEATURES.

1. THEIR KIND OR NAME. 2. THEIR CUT. 3. THEIR LENGTH.

The Kind—By Kind, is meant the varied shapes or styles which are distinguished by certain names, as flat, mill, half round, etc. First, the kinds are divided, according to the form of their cross sections, into three classes namely: Quadrangular, Circular and Triangular. Odd and irregular forms are collected under miscellaneous classes. These classes are subdivided according to their general outline into Taper and Blunt.

Taper—Designates a File, the point of which is more or less reduced in size (both width and thickness) by a gradually narrowing section extending from one half to two thirds the length of the File, from the point.

Blunt—Designates a File that preserves its sectional shape throughout, from point to tang.

The Cut—Is divided, with reference to the character of the teeth, into single cut, double cut and rasp cut; and with reference to the coarseness of the teeth, into rough, coarse, bastard, second cut, smooth and dead smooth. Regarding the latter it may be said that the coarse and bastard cuts are used upon the coarser, heavier classes of work, while the second cut and smooth are used for the finer grades and for finishing the work started by the coarse and bastard. The rough and dead smooth are seldom called for, but correspond to the above use.

The Single Cut File—Is one in which a single, unbroken course of chisel cuts is made across its surface, parallel to each other, but obliquely to the sides.

The Double Cut File—Has two courses of chisel cuts crossing each other, the second course with rare exceptions being finer than the first.

Rasp Cut—Differs from single or double cut in respect that the teeth are disconnected from each other, each tooth being made by a single pointed tool, called a punch.

Superfine, or Super Cut—A term applied by the Lancashire File Makers to designate a grade of cut designated by us as dead smooth.

Middle Cut—A term used to designate the cut of a File when it is of a grade of coarseness between the rough and bastard. It is but little used in this Country.

Recut or Recutting—The working over of old or wornout Files by the several processes of annealing, grinding out the old teeth, recutting, hardening, etc., and thus again preparing them for use.

This operation is sometimes repeated two and even three times, but the economy of recutting at all is very much questioned, and the practice is done away with in most of the best appointed shops of the present day.

The Length—Is the distance between its shoulder and the point. The tang handle is never included in the length.

TERMS COMMONLY USED TO DESCRIBE FILES

Back—A term commonly used to describe the convex side of half-rounds, cabinets, pitsaws and other files of similar cross-sectional shape.

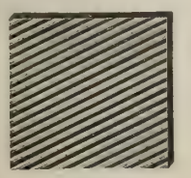
Bellied—A term sometimes used to describe a file having a fullness in the centre.

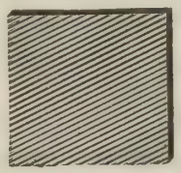
Safe Edge (or Side)—Terms used to denote that a file has one or more of its edges or sides smooth or uncut, that it may be presented to the work without injury to that portion which does not require to be filed.

ILLUSTRATIONS SHOWING CUT OF FILES AND RASPS.

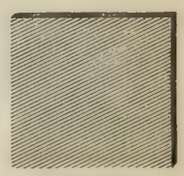
Single Cut

Single Cut Files—Have a single unbroken course of chisel-cuts across the surface parallel to each other, but oblique to the sides; particularly adapted to saw filing; used on lathe work by Machinists; also used by woodworkers, carriage builders, etc.


Coarse


Bastard

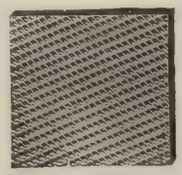
Second Cut

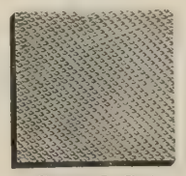

Smooth

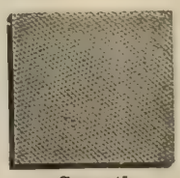
Double Cut

Double Cut Files—Have two courses of chisel-cuts crossing each other, the second course with rare exceptions being finer than the first; especially adapted for use in machine shops, locomotive works, foundries and for similar classes of work.

Coarse


Bastard


Second Cut


Smooth

Rasp Cut

Rasp Cut Files or rasps have teeth which are disconnected from each other, each tooth being made by a punch; used by blacksmiths, horseshoers, plumbers, cabinet makers, woodworkers, etc.

Coarse

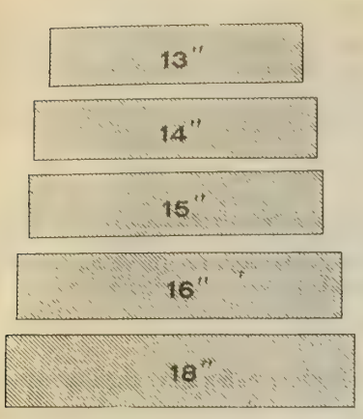
Bastard

Second Cut

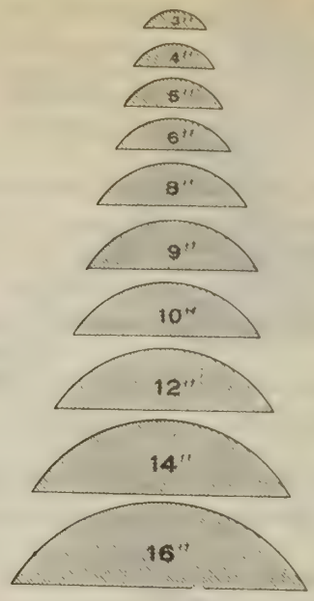
Smooth

SECTIONAL VIEW OF DIFFERENT SIZE FILES

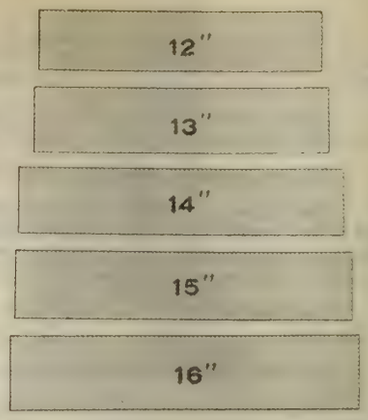
Cuts Full Size.



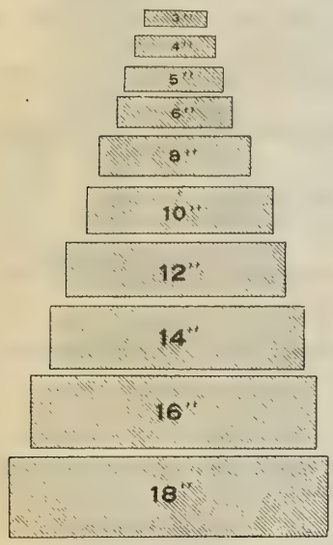
Plain Rasp



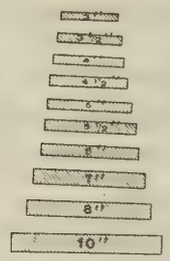
Half Round



Tanged Rasp

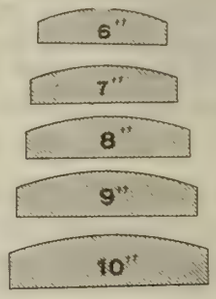


Flat

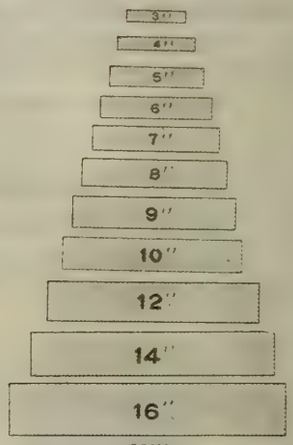


Warding

Extra Slim Taper



Half Round Shoe Rasp

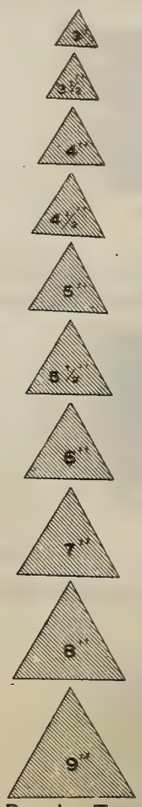


Mill

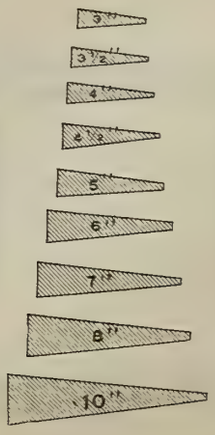
Square

Pitsaw

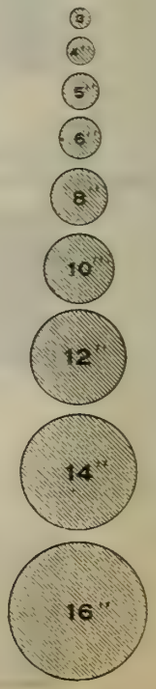
Slim Taper



Regular Taper and Three Square



Knife



Round

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

STANDARD LIST OF FILES AND RASPS

List Adopted November 1, 1899, by the File Manufacturers' Association of the United States and effective in Canada.
List Price Per Dozen.

(REVISED AND PRINTED JANUARY 1, 1919.)

INCH	MILL			MILL 1 R. E.		MILL 2 R. E.		MILL BLUNT		INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	BAST.	2d CUT	BAST.	2d CUT	
3	3.00	.....	.....	.....	.....	.....	.....	.....	.....	3
3½	.....	.....	.....	.....	.....	.....	.....	.....	.....	3½
4	3.00	.....	.....	.....	.....	.....	.....	.....	.....	4
4½	.....	.....	.....	.....	.....	.....	.....	.....	.....	4½
5	3.20	.....	.....	.....	.....	.....	.....	.....	.....	5
5½	.....	.....	.....	.....	.....	.....	.....	.....	.....	5½
6	3.50	4.00	4.50	3.90	4.50	4.40	5.00	3.90	4.60	6
7	3.90	4.60	4.90	4.40	5.20	4.90	5.80	4.30	4.90	7
8	4.30	4.90	5.40	4.80	5.50	5.40	6.10	4.90	5.80	8
9	4.90	5.80	6.30	5.50	6.50	6.10	7.30	5.60	6.40	9
10	5.60	6.40	7.00	6.30	7.20	7.00	8.00	6.70	7.80	10
12	7.50	8.60	9.40	8.40	9.70	9.40	10.80	9.40	10.70	12
14	10.70	12.20	13.10	12.00	13.70	13.40	15.30	.....	.....	14
16	14.70	16.80	17.90	.....	.....	.....	.....	.....	.....	16
18	20.20	.....	.....	.....	.....	.....	.....	.....	.....	18

INCH	TAPERS		HAND-SAW BLUNT	SLIM TAPER	EXTRA SLIM TAPER	TAPER HEAVY	BANDSAW BLUNT & TAPER		PITSAW	INCH
	SGL. CUT	DBL. CUT					REGULAR	SLIM		
3	2.10	2.50	.....	2.10	.....	2.10	.....	.....	.....	3
3½	2.10	2.50	.....	2.10	.....	2.10	.....	.....	.....	3½
4	2.20	2.90	2.60	2.20	2.20	2.20	2.90	.....	4.80	4
4½	2.40	3.10	3.00	2.30	2.30	2.40	3.10	.....	5.40	4½
5	2.60	3.50	3.40	2.50	2.50	2.60	3.50	.....	5.40	5
5½	3.00	.....	.....	2.90	2.90	3.00	.....	.....	6.10	5½
6	3.40	4.70	4.30	3.10	3.10	3.40	4.70	3.90	6.10	6
7	4.30	5.60	5.40	3.80	3.80	4.30	5.60	.....	.....	7
8	5.40	6.70	6.60	4.50	4.50	5.40	6.70	5.30	7.50	8
9	.....	.....	.....	.....	.....	.....	CROSSING BAST.		.....	9
10	8.10	.....	.....	6.40	.....	8.10	15.50		.....	10
12	12.50	.....	.....	9.50	.....	.....	20.60		.....	12
14	.....	.....	.....	.....	.....	.....	27.50		.....	14
16	.....	.....	.....	.....	.....	.....	.....		.....	16
18	.....	.....	.....	.....	.....	.....	.....		.....	18

INCH	FLAT			HAND			SQUARE			INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	
3&4	3.70	4.30	4.70	3.70	4.30	4.80	3.80	4.60	4.90	3&4
5	3.90	4.60	4.90	3.90	4.70	5.30	4.10	4.80	5.30	5
6	4.30	4.80	5.30	4.30	5.10	5.60	4.60	5.10	5.50	6
7	4.80	5.50	6.10	4.90	5.80	6.30	5.10	5.80	6.30	7
8	5.30	6.10	6.60	5.40	6.30	6.70	5.50	6.30	7.00	8
9	6.30	7.20	7.90	6.70	7.80	8.30	.....	.....	.....	9
10	7.00	8.10	8.70	7.50	8.70	9.40	7.40	8.50	9.10	10
11	8.60	.....	.....	.....	.....	.....	.....	.....	.....	11
12	9.70	11.00	12.10	10.70	12.30	13.50	10.20	11.50	12.80	12
13	11.80	.....	.....	.....	.....	.....	.....	.....	.....	13
14	13.30	15.30	16.70	15.00	17.00	18.20	13.90	16.10	17.50	14
16	17.80	20.10	22.30	20.10	22.80	24.20	18.70	21.20	23.30	16
18	23.90	26.80	29.20	26.80	29.90	31.50	25.10	28.20	30.40	18
20	31.50	35.30	38.30	35.10	39.20	41.60	32.80	36.70	39.30	20

INCH	THREE SQUARE			HALF ROUND			ROUND			INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	
3&4	4.80	5.60	6.10	4.80	5.60	6.10	3.00	3.50	3.90	4
5	5.40	6.10	6.40	5.40	6.10	6.40	3.20	3.80	4.10	5
6	6.10	6.70	7.10	6.10	6.70	7.10	3.50	4.00	4.50	6
7	7.00	7.70	8.20	7.00	7.70	8.20	3.90	4.60	4.90	7
8	7.50	8.30	8.90	7.50	8.30	8.90	4.30	4.90	5.40	8
9	.....	.....	.....	.....	.....	.....	4.90	5.80	6.30	9
10	9.10	10.10	10.70	9.10	10.10	10.70	5.60	6.40	7.00	10
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
12	11.80	13.00	13.90	11.80	13.00	13.90	7.50	8.60	9.40	12
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
14	15.50	17.00	18.30	15.50	17.00	18.30	10.70	12.20	13.10	14
16	20.60	22.50	24.20	20.60	22.50	24.20	14.70	16.80	17.90	16
18	27.50	29.90	32.00	27.50	29.90	32.00	20.20	22.70	24.30	18
20	36.20	39.40	42.30	36.20	39.40	42.30	27.40	30.70	32.90	20

INCH	PILLAR			WARDING			KNIFE			INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	
3&4	.....	.....	.....	4.00	4.80	5.40	5.40	6.10	6.40	3&4
5	.....	.....	.....	4.50	5.30	5.80	6.10	6.70	7.10	5
6	4.30	5.10	5.60	4.90	5.90	6.40	6.90	7.50	7.90	6
8	5.40	6.30	6.70	6.40	7.50	8.20	8.50	9.10	9.50	8
10	7.50	8.70	9.40	8.70	10.10	11.00	10.10	11.50	12.30	10
12	10.70	12.30	13.50	.....	.....	.....	13.70	15.20	16.10	12
14	15.00	17.00	18.20	.....	.....	.....	.....	.....	.....	14
16	20.10	22.80	24.20	.....	.....	.....	.....	.....	.....	16
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	18

INCH	SQUARE BLUNT BAST.	ROUND BLUNT BAST.	HAND FINISHING		FLAT DEAD SMOOTH	HAND DEAD SMOOTH	HALF RD. DEAD SMOOTH	LEAD FLOAT AND WOOD FILES		INCH
			2d CUT	SMOOTH				FLAT	HF. RD.	
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
6	5.50	.....	.....	.....	.....	.....	.....	4.80	7.00	6
8	7.40	5.60	7.80	8.30	10.60	10.80	15.00	6.30	8.50	8
10	10.20	7.50	10.90	11.80	14.00	15.00	18.20	8.60	10.70	10
12	13.90	10.70	15.20	16.20	19.40	21.40	23.60	11.80	14.10	12
14	18.70	14.70	20.60	21.70	26.60	30.00	31.00	16.00	18.50	14
16	25.10	.....	.....	.....	.....	.....	.....	21.50	24.70	16
18	32.80	.....	.....	.....	.....	.....	.....	.....	.....	18

INCH	DOUBLE ENDER	CANT SAW	CROSS CUT	HOOK TOOTH	PLANER KNIFE	CABINET FILES	CABINET RASPS		FLAT SGL. CUT COARSE and BAST.	INCH
							2d CUT	SMOOTH		
6	.....	5.40	.....	.....	.....	8.10	10.10	11.70	.....	6
7	3.50	.....	.....	.....	.....	.....	.....	.....	.....	7
8	3.90	6.40	7.50	8.30	6.40	10.10	12.80	15.50	6.30	8
9	4.40	.....	.....	.....	.....	.....	.....	.....	.....	9
10	4.90	8.70	9.10	10.10	8.60	13.70	17.50	20.70	8.60	10
12	.....	.....	.....	.....	.....	18.70	22.80	26.80	11.80	12
14	.....	.....	.....	.....	.....	24.80	29.60	33.90	16.00	14
16	.....	.....	.....	.....	.....	.....	.....	.....	.....	16

INCH	FLAT OPEN CUT			HALF ROUND OPEN CUT			HALF RD. WOOD RASPS			INCH
	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	BAST.	2d CUT	SMOOTH	
6	.....	.....	.....	.....	.....	.....	8.10	9.30	10.10	6
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
8	6.30	7.20	7.90	8.50	9.40	9.90	10.10	12.20	13.70	8
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
10	8.60	9.80	10.70	10.70	11.80	12.70	13.70	16.80	18.70	10
12	11.80	13.60	14.70	14.10	15.40	16.60	18.70	22.40	24.80	12
14	16.00	18.30	20.00	18.50	20.40	21.70	24.80	29.70	32.90	14
16	.....	.....	.....	.....	.....	.....	32.90	38.90	43.60	16

INCH	FLAT WOOD RASPS		HORSE RASPS PLAIN			HORSE RASPS PLAIN SLIM				INCH
	BAST.	2d CUT	½ FILE	¼ FILE	REVERSE			½ FILE	¼ FILE	
8	9.40	11.40	.....	.....	.....	.....	.....	.....	.....	8
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
10	12.80	15.50	.....	.....	.....	.....	.....	.....	.....	10
12	17.50	20.90	12.80	14.40	.....	.....	.....	.....	.....	12
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
14	23.20	27.80	17.80	20.10	17.80	.....	.....	.....	.....	14
15	.....	.....	20.90	23.60	20.90	.....	.....	.....	.....	15
16	30.80	36.20	24.40	27.50	24.40	16″ from 14″ stock		21.50	24.60	16
18	.....	.....	32.90	36.20	.....	18″ " 15″ "		25.90	28.50	18
20	.....	.....	.....	.....	.....	20″ " 16″ "		32.90	.....	20

INCH	HORSE RASPS					SHOE RASPS		INCH
	TANGED	TANGED SLIM		TANGED THIN		FLAT	HF. RD.	
8	.....	.....	.....	.....	.....	10.10	10.10	8
9	.....	.....	.....	.....	.....	12.20	12.20	9
10	.....	.....	.....	.....	.....	13.70	13.70	10
12	16.80	.....	.....	1.531″ x .270″	16.00	.....	.....	12
13	19.60	.....	.....	1.594″ x .275″	18.20	.....	.....	13
14	23.10	14″ from 13″ stock	21.90	1.750″ x .280″	21.90	.....	.....	14
15	27.30	15″ from 13″ stock	25.20	1.812″ x .285″	25.20	.....	.....	15
16	32.20	16″ from 14″ stock	29.70	1.875″ x .290″	29.70	.....	.....	16
18	.....	.....	.....	.....	.....	.....	.....	18
20	.....	.....	.....	.....	.....	.....	.....	20

THE ABOVE LIST COMPRISES ALL OF THE KINDS, SIZES AND CUTS OF FILES THAT WILL BE REGULARLY CARRIED IN STOCK. ANYTHING DIFFERING FROM THESE FILES WILL BE CONSIDERED AS SPECIAL AND WILL NOT BE MANUFACTURED EXCEPT IN CASE OF URGENT NECESSITY AND WHEN MANUFACTURED PRICE WILL BE BASED STRICTLY UPON COST OF MATERIAL AND COST OF MANUFACTURE AT TIME GOODS ARE MADE.

FILES

REGULAR TAPER SAW

Inches (length)	3½	4	4½	5
"K. and F." List per dozen	1.60	1.68	1.84	1.98
"Nicholson." List per dozen				3.12
App. wt. dozen, lbs.	½	¾	1	1¼
Standard List	2.10	2.20	2.40	2.60

Inches (length)	5½	6	7	8
"K. and F." List per dozen	2.28	2.60	3.30	4.12
"Nicholson." List per dozen		4.08	5.16	
App. wt. dozen, lbs.	1⅜	2	3	4¼
Standard List	3.00	3.40	4.30	5.40

Single cut; for filing hand, buck saws, etc.

1 dozen in a box.

SLIM TAPER

Inches (length)	3	3½	4	4½	5
"K and F." List per dozen	1.60	1.60	1.68	1.76	1.90
"Nicholson." List per dozen		2.52	2.64	2.76	3.00
App. wt. dozen, lbs.	⅛	¼	⅜	½	⅝
Standard List	2.10	2.10	2.20	2.30	2.50

Inches (length)	5½	6	7	8
"K. and F." List per dozen	2.22	2.36	2.90	3.42
"Nicholson." List per dozen	3.48	3.72	4.56	
App. wt. doz., lbs.	¾	1	1¾	2⅝
Standard List	2.90	3.10	3.80	4.50

Single cut; particularly adapted for filing tooth saws, and preferred by many on account of greater sweep or stroke obtained.

1 dozen in a box.

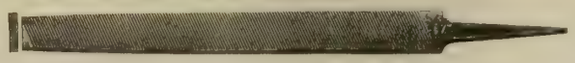
EXTRA SLIM TAPER

Inches (length)	4	4½	5	5½	6
"K. and F." List per dozen			1.90	2.22	2.36
"Nicholson." List per dozen	2.64	2.76	3.00	3.48	3.72
App. wt. dozen, lbs.	3/16	⅜	7/16	½	⅝
Standard List	2.20	2.30	2.50	2.90	3.10

Single cut; for filing panel, butcher, hack and other fine tooth thick edge saws.

1 dozen in a box.

MILL BASTARD



Inches, (length)	4	5	6	7	8
"K. and F." List per dozen	2.28	2.44	2.66	2.98	3.30
"Nicholson." List per dozen			4.20	4.68	5.16
App. wt. dozen, lbs.	½	¾	1¼	2	2¾
Standard List	3.00	3.20	3.50	3.90	4.30

Inches (length)	9	10	12	14
"K. and F." List per dozen	3.74	4.26	5.70	8.14
"Nicholson." List per dozen	5.88	6.72	9.00	12.84
App. wt. dozen, lbs.	4	5¼	8¾	13¼
Standard List	4.90	5.60	7.50	10.70

Single cut; two square edges; principally used for sharpening mill saws; mowing machine knives; cross cut saws; plows. Used also in machine shop for lathe work, draw filing, etc.

4 to 10 inch, 1 dozen in a box.
12 and 14 inch, ½ dozen in a box.

One Round Edge.

Inches (length)	7	8	9	10
"K. and F." List per dozen	3.38	3.66	4.20	4.80
"Nicholson." List per dozen	5.28	5.76		7.56
App. wt. dozen, lbs.	2	2¾	4	5¼
Standard List	4.40	4.80	5.50	6.30

Single cut; very practical for filing the teeth on circular and other mill saws. The use of the round edge prevents sharp corners or notches in the gullets of the saw, and lessens the liability of cracking.

1 dozen in a box.

Two Round Edges.

Inches (length)	7	8	9	10
"K. and F." List per dozen	3.74	4.12	4.64	5.32
"Nicholson." List per dozen		6.48	7.32	8.40
App. wt. dozen, lbs.	2	2¾	4	5¼
Standard List	4.90	5.40	6.10	7.00

Single cut; for filing the teeth on circular and other mill saws; the use of the round edges prevents sharp corners or notches in the gullets of the saw.

1 dozen in a box.

See Page 82 for Full Size Illustrations of Cross Sections.

H. S. HOWLAND, SONS & CO., LIMITED WHOLESALE HARDWARE, TORONTO, CANADA.

"BLACK DIAMOND" FILES

SLIM TAPER

Inches (length)	4	4½	5	5½	6	7
List per dozen	2.72	2.86	3.10	3.60	3.84	4.70
App. wt. doz., lbs. ...	3/8	1/2	5/8	3/4	1	1¾
Standard list	2.20	2.30	2.50	2.90	3.10	3.80

Single cut; particularly adapted for filing tooth saws, and preferred by many on account of greater sweep of stroke obtained.

EXTRA SLIM TAPER

Inches (length)	4	4½	5	5½	6	7
List per dozen	2.72	2.86	3.10	3.60	3.84	4.70
App. wt. doz., lbs. ..	3/16	3/8	7/16	1/2	5/8	3/4
Standard list	2.20	2.30	2.50	2.90	3.10	3.80

Single cut; for filing panel, butcher, hack and other fine tooth thick edge saws.

MILL BASTARD

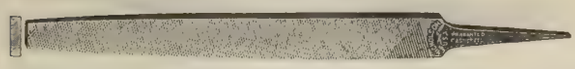
Inches (length)	6	7	8	9	10	12
List per dozen	4.34	4.82	5.32	6.06	6.92	8.92
App. wt. doz., lbs. ...	1¼	2	2¾	4	5¼	8¾
Standard list	3.50	3.90	4.30	4.90	5.60	7.50

Single cut; two square edges; principally used for sharpening mill saws; mowing machine knives; cross cut saws; plows. Used also in machine shop for lathe work, draw filing, etc.

4 to 10, 1 dozen in a box; 12 and 14, ½ dozen in a box.

FILES

FLAT BASTARD



Inches (length)	4	5	6	7	8
"K. and F." List per dozen	2.82	2.98	3.28	3.66	4.04
App. wt. dozen, lbs.	½	1	1½	2½	3½
Standard List	3.70	3.90	4.30	4.80	5.30

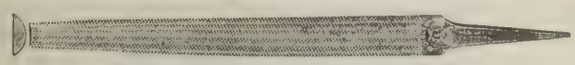
Inches (length)	9	10	12	14	16
"K and F." List per dozen	4.80	5.32	7.38	10.12	13.54
App. wt. dozen, lbs.	5	6¾	11¾	18½	27
Standard List	6.30	7.00	9.70	13.30	17.80

Double cut; tapered both in thickness and width; largely used by machinists and other mechanics.

4 to 10 inch, 1 dozen in a box.

10 to 16 inch, ½ dozen in a box.

HALF ROUND BASTARD



Inches (length)	4	5	6	7	8
"K. and F." List per dozen	3.66	4.10	4.64	5.32	5.70
App. wt. dozen, lbs.	½	⅞	1½	2⅛	3¼
Standard List	4.80	5.40	6.10	7.00	7.50

Inches (length)	9	10	12	14	16
"K. and F." List per dozen	6.92	6.92	8.98	11.78	15.66
App. wt. dozen, lbs.	4	6¼	10½	16	23
Standard List	9.10	9.10	11.80	15.50	20.60

Double cut on both faces; tapered sides and thickness; for general machine shop work.

3 to 10-inch, 1 dozen in a box.

10 to 16 inch, ½ dozen in a box.

ROUND BASTARD

Inches (length)	3	4	5	6	7	8
"K. and F." List per dozen	2.28	2.28	2.44	2.66	2.98	3.30
Diam, ins.	7/64	5/32	3/16	7/32	17/64	19/64
App. wt. dozen, lbs.	⅛	¼	½	¾	1	1½
Standard List	3.00	3.00	3.20	3.50	3.90	4.30

Inches (length)	9	10	12	14	16
"K and F." List per dozen	3.74	4.26	5.70	8.14	11.18
Diam., ins.	11/32	⅜	½	⅝	¾
App. wt. dozen, lbs.	2¼	3	6¾	12	20
Standard List	4.90	5.60	7.50	10.70	14.70

Single cut; tapering; for enlarging round holes and shaping internal angles.

3-inch to 10-inch, 1 dozen in a box.

10 to 16 inch, ½ dozen in a box.

SQUARE BASTARD

Inches (length)	4	6	7	8
"K. and F." List per dozen	2.90	3.50	3.88	4.18
App. weight dozen, lbs.	¼	⅞	1⅜	1⅞
Standard List	3.80	4.60	5.10	5.50

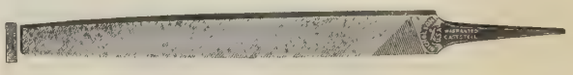
Inches (length)	10	12	14	16
"K. and F." List per dozen	5.64	7.76	10.58	14.22
App. wt. dozen, lbs.	4	8½	15¼	25¼
Standard List	7.40	10.20	13.90	18.70

Double cut; tapered; used by almost all mechanics for enlarging square or rectangular aperatures.

3 to 10-inch, 1 dozen in a box.

10 to 16 inch, ½ dozen in a box.

FLAT SMOOTH



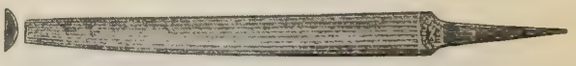
Inches (length)	6	7	8	10	12	14
"K. and F." List per dozen	4.04	4.64	5.02	6.62	9.20	12.70
App. wt. dozen, lbs.	1½	2½	3½	6¾	11¾	18½
Standard List	5.30	6.10	6.60	8.70	12.10	16.70

Double cut; tapered sides and thickness; one of the most common files in use; employed for a great variety of purposes.

3 to 10-inch, 1 dozen in a box.

10 to 14-inch, ½ dozen in a box.

HALF ROUND SMOOTH



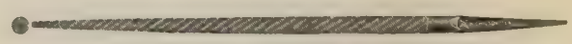
Inches (length)	4	5	6	8	10	12	14
"K. and F." List doz.	4.64	4.86	5.40	6.76	8.14	10.58	13.92
App. wt. doz., lbs.	½	⅞	1½	3	5¼	9¼	14¾
Standard List	6.10	6.40	7.10	8.90	10.70	13.90	18.30

Single cut on the convex side; double cut on flat side; tapered; has a wide range of use in the machine shop.

3 to 10-inch, 1 dozen in a box.

10 to 14-inch, ½ dozen in a box.

ROUND SMOOTH



Inches (length)	4	5	6	8
"K and F." List per dozen	2.96	3.12	3.42	4.16
Diam., ins.	5/32	3/16	7/32	19/64
App. weight dozen, lbs.	¼	½	¾	1½
Standard List	3.90	4.10	4.50	5.40

Single cut; tapering; for enlarging round holes and shaping internal angles.

1 dozen in a box.

See Page 82 for Full Size Illustrations of Cross Sections.

FILES

HALF ROUND CABINET

10-inch. List per dozen 10.42

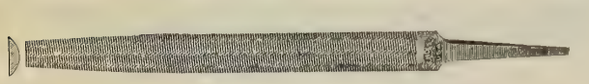
"K. and F."

Double cut; coarse bastard; taper in section; wider and thinner than a half round. 1⅛-inch greatest width; used by Cabinet Makers and other wood workers generally; average weight per dozen, 5 pounds.

Standard List, 13.70.

1 dozen in a box.

HALF ROUND WOOD



Inches (length)	8	10	12	14
"K. and F." List per dozen	6.46	8.14	10.72	14.06
App. wt. dozen, lbs.	2¾	5¼	10½	14¾
Standard List	8.50	10.70	14.10	18.50

Double cut, coarse; taper; used by wood workers generally and occasionally upon the coarser kinds of brass work.

8 and 10-inch, 1 dozen in a box.
12 and 14-inch, ½ dozen in a box.

WARDING BASTARD

Inches (length)	3	3½	4	5	6
"K. and F." List per dozen	3.04	3.04	3.04	3.42	3.74
App. wt. dozen, lbs.	⅛	3/16	⅜	½	¾
Standard List	4.00	4.00	4.00	4.50	4.90

Double cut; single cut edges; thin, uniform thickness; much tapered in width; used by jewellers and machinists but more especially by lock smiths.

1 dozen in a box.

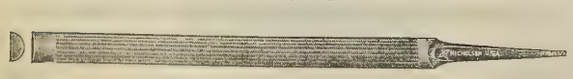
WARDING SMOOTH

Inches (length)	3	3½	4
"K. and F." List per dozen	4.10	4.10	4.10
App. wt. dozen, lbs.	⅛	3/16	⅜
Standard List	5.40	5.40	5.40

Double cut; single cut edges; thin, uniform thickness; much tapered in width; used by jewellers and machinists but more especially by locksmiths.

1 dozen in a box.

PIT SAW



8-inch. List per dozen 5.70

"K. and F."

Single cut; second cut; blunt; half round; 17/32-inch wide; for filing the teeth of what are known as Pit and Frame saws; average weight per dozen, 3½ pounds.

Standard List 7.50.

1 dozen in a box.

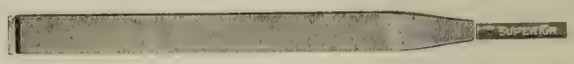
BLUNT BAND SAW

Inches (length)	4½	5	5	7
"K. and F." List per dozen	2.36	2.66	3.58	4.26
App. wt. dozen, lbs.	1	1½	2¼	3¼
Standard List	3.10	3.50	4.70	5.60

Single cut, second cut; 3 square; blunt; uniform thickness; rounded edges; for filing band saws.

1 dozen in a box.

PLATINUM POINT



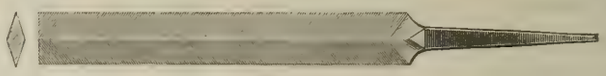
"Superior" X.F. List per dozen 2.70

Magneto.

Smooth cut; single cut; safe edges; very thin; 5/16 inches wide, 6⅛ inches long over all, cut 3¼ inches, round shank; a fine crucible steel file for cleaning magnetos, spark plugs etc., average weight per card, ¼ pound; sold only in full cards.

1 dozen on a display card.

FEATHER EDGE SAW



Inches (length)	5	6
List per dozen	6.00	8.50
App. wt. dozen, lbs.	2	2¾

G. O. Oberg and Co., Eskilstuna, Sweden, make.

Smooth cut; single cut; blunt; chiefly used for filing Swedish Webb Saws; made of the finest swedish cast steel; unexcelled in quality.

1 dozen in a box.

MOWER KNIFE

Inches (length)	9
K. and F. List per dozen	5.94
App. weight dozen, pounds	6¼
Standard List	7.80

Solid Handle.

Double cut; second cut on both sides; bevelled edges on both sides; parallel sides; uniform thickness; file is left uncut and unbevelled for three inches at one end to form handle; used for sharpening mowing machine blades.

1 dozen in a box.

See Page 82 for Full Size Illustrations of Cross Sections.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

CROSS CUT SAW FILES

7-inch. List per dozen 5.32

K. and F.

Single cut; bastard; knife shape; cut on both sides and both edges; Great American tooth; for cross cut saws, etc., average weight per dozen, 2½ pounds.

Standard List, 7.00

1 dozen in a box.

KNIFE BASTARD FILES

Inches (length)	4	6
"K. and F." List per dozen	4.12	5.24
App. weight dozen, lbs.	¾	1¼
Standard List	5.40	6.90

Double cut, single cut edges; tapered sides; tapered from back to edge resembling somewhat the blade of a knife; used in work for which their shape adapts them.

1 dozen in a box.

HALF ROUND CABINET RASPS

Inches	8	10
"K. and F." List per dozen	9.74	13.30
App. weight per dozen, lbs.	2½	5½
Standard List	12.80	17.50

Rasp cut, second cut; taper in section; thinner than half round wood rasps; used by cabinet makers and other wood workers generally.

1 dozen in a box.

FLAT WOOD RASPS

8-inch. List per dozen 7.16

"K. and F."

Rasp cut, bastard; coarse single cut edges; tapered; uniform thickness; used by wheelwrights and carriage makers; average weight per dozen, 3¾ pounds.

Standard List 9.40.

1 dozen in a box.

HALF ROUND WOOD RASPS

Inches (length)	10	12	14
"K. and F." List per dozen	10.42	14.22	18.86
App. weight dozen, lbs.	6¼	10¾	16¼
Standard List	13.70	18.70	24.80

Rasp cut, bastard; tapered; used principally by wheelwrights and carriage builders, and to some extent by plumbers and marble workers.

10-inch, 1 dozen in a box.

12 and 14-inch, ½ dozen in a box.

HALF ROUND SHOEMAKERS' RASPS

Inches	8	10
"K. and F." List per dozen	7.68	10.42
App. weight dozen, lbs.	4½	8
Standard List	10.10	13.70

Each side half bastard file cut and half second rasp; smooth parallel edges; a form of shoe rasp in general use.

1 dozen in a box.

HORSE RASPS

Plain

Inches (length)	14	15	16
"K. and F." List per dozen	8.90	10.36	12.20
App. weight dozen, lbs.	20	24	29
Standard List	17.80	20.90	24.40

Coarse rasp cut on one side; rough file cut, double cut on other side; coarse single cut edges; parallel sides; slightly tapering in thickness towards ends.

½ dozen in a box.

Plain

Inches (length)	14	15	16
"Heller's." List per dozen	11.58	13.60	15.86
App. weight dozen, lbs.	21	24½	29¾
Standard List	17.80	20.90	24.40

Coarse rasp cut on one side; rough file cut, double cut on other side; coarse single cut edges; parallel sides; slightly tapering in thickness towards ends.

½ dozen in a box.

Tanged.

Inches (length)	14	15
"K. and F." List per dozen	11.56	13.66
App. weight dozen, lbs.	30	35
Standard List	23.10	27.30

Coarse rasp cut on one side; coarse file cut, double cut on other side; coarse single cut edges; parallel sides; slightly tapering in thickness.

½ dozen in a box.

Tanged.

Inches (length)	14	15	16
"Heller's." List per dozen	15.02	17.74	20.94
App. weight dozen, lbs.	31	36	39
Standard List	23.10	27.30	32.20

Coarse rasp cut on one side; coarse file cut, double cut on other side; coarse single cut edges; parallel sides; slightly tapering in thickness.

½ dozen in a box.

See Page 82 for Full Size Illustrations of Cross Sections.

AUGER BITS

Beaver.

Inches (diam.)	4/16	5/16	6/16	7/16	8/16	9/16	10/16
List per dozen	6.50	6.50	6.50	6.50	6.50	7.80	7.80
App. wt. doz., lbs.	1	1⅛	1½	1⅝	1¾	2	2⅜
Standard List	5.00	5.00	5.00	5.00	5.00	6.00	6.00

Inches (diam.)	11/16	12/16	13/16	14/16	15/16	16/16
List per dozen	9.10	9.10	10.72	10.72	12.34	12.34
App. wt. dozen, lbs.	2½	2¾	3	3½	4	4¼
Standard List	7.00	7.00	8.25	8.25	9.50	9.50

High grade crucible cast steel; full polished extension lip; double spur; 3¾ to 4½-inch twist; length over all 7⅞ inches to 9 inches.

4/16 to 10/16 and 12/16, 1 dozen in a box.
11/16 to 18/16, ½ dozen in a box.

"Gilmore."

Inches (diam.)	4/16	5/16	6/16	7/16	8/16	9/16
List per dozen	9.00	9.00	9.00	9.00	9.00	10.80
App. wt. dozen, lbs.	1	1⅛	1½	1⅝	1¾	2
Standard List	5.00	5.00	5.00	5.00	5.00	6.00

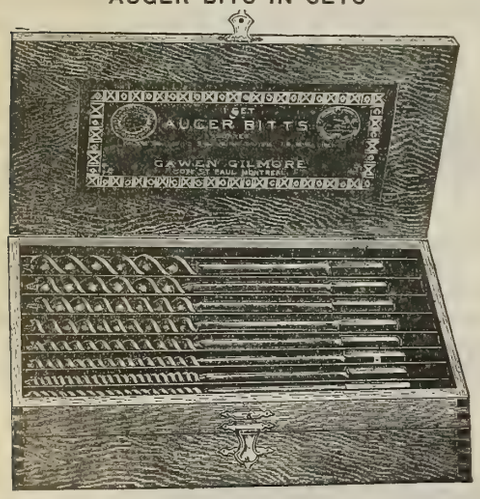
Inches (diam.)	10/16	11/16	12/16	13/16	14/16
List per dozen	10.80	12.60	12.60	14.86	14.86
App. wt. dozen, lbs.	2⅜	2½	3	3½	4
Standard List	6.00	7.00	7.00	8.25	8.25

Inches (diam.)	15/16	16/16	18/16	20/16	24/16
List per dozen	17.10	17.10	21.60	25.20	32.40
App. wt. dozen, lbs.	4	4¼	4½	5	5¼
Standard List	9.50	9.50	12.00	14.00	18.00

Extra high grade crucible cast steel; full polished; extension lip; double spur; 3½ to 4½-inch twist; length over all 7¾ to 8¾ inches.

4/16 to 10/16 and 12/16, 1 dozen in a box.
11/16 to 18/16, ½ dozen in a box.
20/16 and 24/16, ¼ dozen in a box.

AUGER BITS IN SETS



Gilmore's
In Varnished Hardwood Boxes

Set 9. List per set 8.00
Contains 9 bits, 18 quarters; one each 4, 5, 6, 7, 8, 9, 10, 11, and 12/16ths; in single deck box; average weight each, 2¼ pounds.

Set 13. List per set 14.00
Contains 13 bits, 32½ quarters; one each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16/16ths; in double deck box; average weight each, 3½ pounds.

Extra high grade crucible cast steel; full polished; extension lip; double spur; 3½ to 4½ inch twist; length over all, 7¾ to 8¾ inches.

AUGER BITS

Genuine Irwin.

No. 62 T.

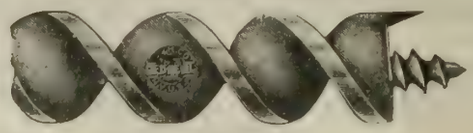
Inches (diam.)	3/16	4/16	5/16	6/16	7/16	8/16	9/16	10/16
List per doz.	9.50	8.50	8.50	8.50	9.50	10.50	11.60	12.70
Ap. wt. doz., lbs.	⅝	1	1¼	1½	1⅝	2	2¼	2⅝
Irwin List	4.50	4.00	4.00	4.00	4.50	5.00	5.50	6.00

Inches (diam.)	11/16	12/16	13/16	14/16	15/16	16/16	18/16	20/16
List per doz.	14.80	14.80	17.00	17.00	19.10	19.10	22.50	25.50
Ap. wt. doz., lbs.	2¾	3	3⅜	3½	4	4½	6	6½
Irwin List	7.00	7.00	8.00	8.00	9.00	9.00	10.50	12.00

Extra high grade forged steel; polished solid centre stem; double cutter, extension lip, will not choke; 3½ to 5-inch twist; length over all, 7½ to 10 inches.

3/16 to 16/16, ½ dozen in a box.
18/16 and 20/16, ¼ dozen in a box.

ELECTRICIANS' AUGER BITS



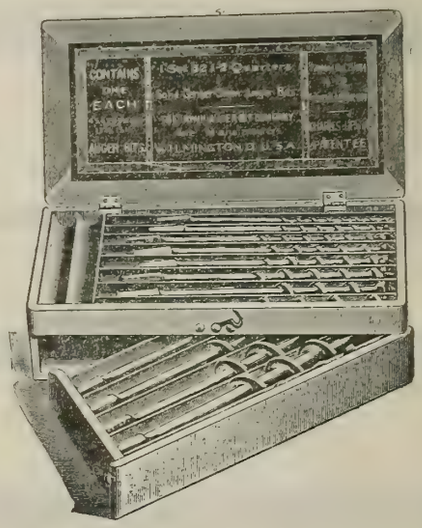
No. 900 "Mephisto." List per dozen 15.60
8⅝ inches long, over all.

No. 2400. Red Devil. List per dozen 19.20
8 inches long over all.

No. 2403. Red Devil. List per dozen 19.20
10 inches long over all.

11/16-inch diameter.
Rapid boring electricians bit; hand forged; hand tempered; single score; double twist worm; full polished with red enamelled shank; average weight per dozen, 4 lbs.
½ dozen in a box.

AUGER BITS IN SETS



Genuine Irwin's.

In Varnished Hardwood Boxes

No. A. List per set 11.60

Contains:—20½ quarters; 10 bits; one each 4, 5, 6, 7, 8, 10, 12, 14, and 16/16ths; and 1 screw driver bit; average weight 4 pounds.

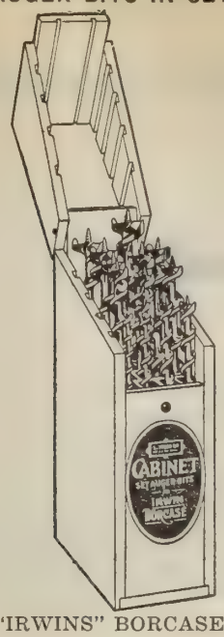
No. D. List per set 17.00

Contains:—32½ quarters; 13 bits; one each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16/16ths; average weight, 5 lbs.

Extra high grade forged steel; polished centre stem; double cutter, extension lip; will not choke; 3½ to 5-inch twist; length over all, 7½ to 10 inches; in wood box with brass trimmings.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

AUGER BITS IN SETS



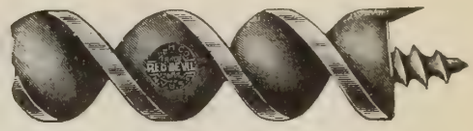
"IRWINS" BORCASE.

No. D-32½. List per set 13.70

Stained Hardwood Case.

Contains:—32½ quarters; **13 bits**; one each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16/16ths inches.
Extra high grade forged steel "Mainbor" bits; polished centre stem; double cutter, extension lip; will not choke; 3½ to 5 inch twist; length over all, 7½ to 10 inches; average weight per set, 4½ pounds.
Each case in a carton.

ELECTRICIANS AUGER BITS



BABY "RED DEVIL."

No. 2404. List per dozen 18.00

6 inches long over all; 11/16 inch diameter.

Rapid boring; hand forged and tempered; single spur; double twist worm; full polished; with red enameled shank; average weight per dozen, 2¼ pounds.

1/2 dozen in a box.

NOTE:—This replaces No. 2400 on page 88.

SHORT EYE AUGERS

"BOKER."

No. 4— Inches	1	1½	1¾
List per dozen	22.00	33.60	40.80
Length over all, inches	18¼	22	18½
App. weight dozen, pounds	12	25	22

Extra high grade crucible cast steel; polished twist, japanned shank and eye; 7 to 8 inch twist.

1 and 1½ inch, 1/2 dozen in a package.
1¾ inch, 1/4 dozen in a package.

CAR BITS

Genuine Irwin's.

No. 65 T.

Inches	6/16	7/16	8/16	9/16	10/16	11/16
List per dozen	18.00	20.00	22.50	25.00	27.50	30.00
App. wt. dozen, lbs.	3	3½	4¼	5¼	6½	6
Irwin List	9.00	10.00	11.25	12.25	13.75	15.00

Inches	12/16	13/16	14/16	15/16	16/16	17/16
List per dozen	32.50	35.00	38.00	41.00	44.00	48.00
App. wt. dozen, lbs.	6¾	7¼	8	9	10	11½
Irwin List	16.25	17.50	19.00	20.50	22.00	24.00

Extra high grade forged steel; polished solid centre stem; double cutter; extension lip; will not choke; 11 to 11½-inch twist; length over all 17¼ to 17¾ inches.

6/16 to 16/16ths, ½ dozen; 17/16ths, ¼ dozen in a box.

SHIP AUGERS

Genuine Irwin's.

Without Screw.

No. 55 W.S.

Inches	9/16	10/16	11/16	12/16	13/16	17/16
List per dozen	32.40	32.40	37.80	37.80	43.20	54.00
App. wt. dozen, lbs.	5½	6¼	7¼	8¼	9	13¼
Irwin List	9.00	9.00	10.50	10.50	12.00	15.00

Extra high grade forged steel; polished solid centre stem; single cutter, ship head without screw; this head is used for practically straight boring; in wood where a screw would have a tendency to follow the grain; 12-inch twist; length over all, 16 to 18 inches.

9/16 to 13/16, ½ dozen; 17/16ths, ¼ dozen in a box.

Genuine Irwin's.

With Screw.

No. 55 S.

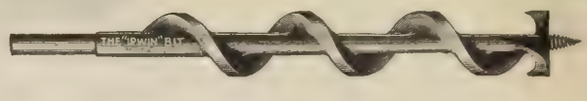
Inches	8/16	9/16	10/16	11/16	12/16
List per dozen	25.50	30.70	30.70	35.70	35.70
App. weight dozen, lbs.	5	5¾	6½	7¼	8¼
Irwin List	7.50	9.00	9.00	10.50	10.50

Inches	13/16	14/16	15/16	16/16
List per dozen	40.80	40.80	46.00	46.00
App. weight dozen, lbs.	9¾	11	12	13
Irwin List	12.00	12.00	13.50	13.50

Extra high grade forged steel; polished solid centre stem; single cutter, side lip; for wood that requires a good chip clearance; 12-inch twist; length over all, 16 to 18 inches.

½ dozen in a box.

HAND BORING MACHINE AUGERS



Genuine Irwin's.

No. 73 R.

Inches	1¼	1½
List per dozen	76.00	96.00
App. weight dozen, lbs.	10½	13
Irwin List	19.00	24.00

Extra high grade steel; polished solid centre stem; double cutter; flat head; shank ½-inch in diameter and 1½ inches long; 8-inch twist, 12½ inches over all.

¼ dozen in a box.

SEE PAGE 91 FOR BORING MACHINES

SHORT EYE AUGERS

"Gilmore"; Bright.

Inches	¾	1	1¼	1½	1¾
List per dozen	27.30	31.50	38.32	47.76	56.16
App. wt. dozen, lbs.	10¼	12	16	20	24
Standard List	13.00	15.00	18.25	22.75	26.75

Extra high grade crucible cast steel; polished twist, japanned shank and wrought iron eye; 6¾ to 9½-inch twist; length over all, 17 to 23 inches.

¼ dozen in a package.

LONG EYE AUGERS

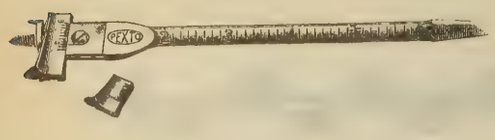
"Gilmore"; Bright.

Inches	1¼	1½	2
List per dozen	44.10	54.60	71.40
App. weight dozen, pounds	18	20	31
Standard List	21.00	26.00	34.00

Extra high grade crucible cast steel; polished twist, japanned shank; wrought iron eye; 8 to 9-inch twist; length over all, 25 to 27 inches.

¼ dozen in a package.

EXPANSIVE BITS



"PEXTO."

No. 50. List per dozen 42.00

Small size; with two cutters, one from ½ to ⅞ and the other from ⅞ to 1½ inches; length 7 inches; shanks graduated 2 to 5 inches; average weight per dozen, 1½ pounds.

No. 100. List per dozen 62.40

Large size; with two cutters, one from ⅞ to 1¾ and the other from 1¾ to 3 inches; length 9¾ inches; shanks graduated 3 to 7 inches; average weight per dozen, 4 pounds.

Clarke's Pattern.

Forged from the best steel; screw adjustment; interchangeable cutters carefully ground and sharpened; each bit carefully tested.

1/12 dozen in a box.

½ dozen in a carton.

EXTRA CUTTERS

For Expansive Bits.

No.	Will cut, inches.	List per dozen.
01	½ to ⅞	7.50
02	⅞ to 1½	9.60
03	⅞ to 1¾	13.20
04	1¾ to 3	15.60

Fine tempered steel.

Nos. 01 and 02 for No. 50 bit.
Nos. 03 and 04 for No. 100 bit.

½ dozen in a box.

CENTRE BITS

No. 591 E.

Inches	1	1⅛	1¼
List per dozen	6.60	8.70	10.50
App. wt. doz., lbs.	1	1¼	1½

Forged from cast steel; polished bit; natural finish shank; used by stair builders for shallow boring.

1 dozen in a box.

COUNTERSINKS

Rose Head.

No. 385. List per dozen 4.90

Cast steel; natural finished point and head; nickel plated stem; width of bit about 10/16 inches; length over all, 3⅞ inches; average weight per dozen, 1⅛ pounds.

1 dozen in a box.

"STANLEY."

No. 18. List per dozen 7.60

Wheeler Patent, for Wood.

Nickel plated malleable iron; cuts rapidly and can be readily re-sharpened; width of bit about ⅞ inches; length over all, 4¼ inches; average weight per dozen, 1½ pounds.

½ dozen in a box.

GIMLET BITS

No. 677¼ B.

Inches (diam.)	2/32	3/32	4/32	5/32
List per dozen	3.20	3.20	3.20	3.20
App. wt. doz., lbs.	½	9/16	9/16	⅝
Inches (diam.)	6/32	7/32	8/32	9/32
List per dozen	3.20	3.20	3.20	3.20
App. wt. doz., lbs.	11/16	¾	⅞	1

Assorted. List per dozen 3.10
4/32 to 8/32

Highly tempered, polished cast steel; natural finish square head.

1 dozen in a box.

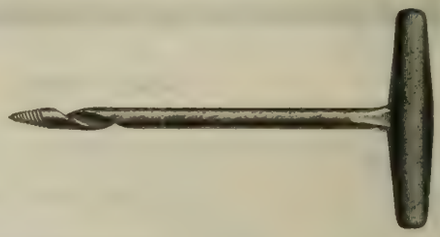
NAIL GIMLETS

Assorted.

No. 763. List per gross 28.80
Sizes 4 to 8/32-inch.

Cast steel, tempered and polished; 2-inch polished wood handle; assorted in sizes and lengths; average weight per gross, 7 pounds.

½ gross in a package.



Assorted.

No. 30. List per dozen 2.40
Sizes 4/32 to 6/32-inch.

Cast steel point; malleable iron handle; full polished; length over all 3½ to 4½ inches; average weight per dozen, ¾ pounds.

6 dozen in a box.

Star Assorted.

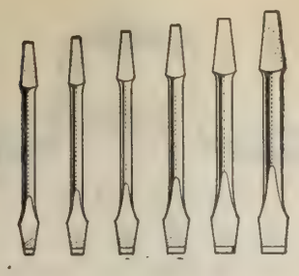
No. 10. List per dozen 3.20
Sizes 4/32 to 9/32 inch.

Fine cast steel; oil tempered; full polished point; maple handle; length over all, 4 to 5½ inches; average weight per dozen, ½ pound.

Packed 3 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED. WHOLESALE HARDWARE, TORONTO, CANADA.

SCREW DRIVER BITS



"STANLEY."

No. 26. Assorted. List per dozen 5.10

Forged from crucible steel; oil tempered and polished; assorted 1 dozen in a box of the following sizes:

Tip	Length, ins.
3/16	4½
¼	4½
5/16	4¾
⅜	5
½	5
⅝	5

Average weight per dozen, 1¼ pounds.

1 dozen in a box.

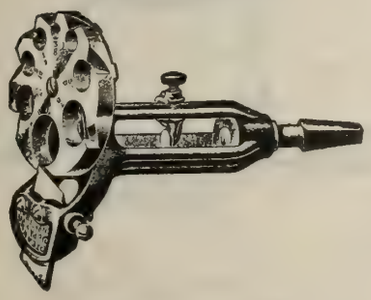
No. 30. List per dozen sets 17.70

For No. 30 Yankee Screw Driver.

Best cast steel, polished; notched to fit No. 30 Yankee Drivers; in sets of three, one each 3/16, ¼, and 3/32-inch points; length over all 3½ inches; average weight per dozen sets, 3 pounds.

1/12 dozen sets in an envelope.

HOLLOW AUGERS



"STEARNS."

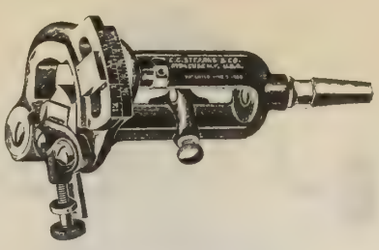
No. 40. List each 3.30

Improved Barney's Adjustable.

Japanned malleable iron frame and steel disc; nickel plated screws; tempered tool steel cutting blade; cuts tenons 8 sizes from ⅜ to 1 inch diameter up to 2¾ inches long; the length of tenon is regulated by the movable stop on the side of the frame, length 6 inches; approximate weight per dozen, 19¾ pounds.

1 in a box.

HOLLOW AUGERS



"STEARNS."

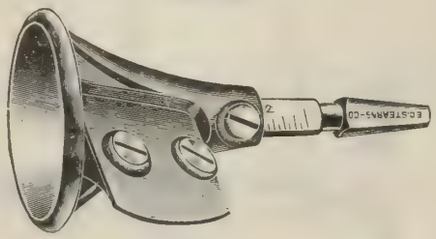
No. 60. List each 12.00

Wood Pattern.

Japanned malleable iron frame; red painted castings; tempered tool steel blade; blued steel bit-stock shank; the knife is accurately adjusted by knurled head adjusting screw with a collar which fits in a slot in the knife; the pivoted jaws have a graduated scale by which the size of the tenon is regulated; cuts tenons from ¼ to 1¼ inches; length over all, 6 inches; approximate weight per dozen, 21 pounds.

1 in a box.

SPOKE POINTERS



"STEARNS."

No. 1. List per dozen 31.70

Japanned cast iron socket; tempered steel adjustable blade; adjustable bit-stock shank to fit brace; length of point is regulated by adjusting the shank; points up to 1⅞ inches in diameter; average weight per dozen, 9 pounds.

¼ dozen in a box.

NAIL SETS

"TORRINGTON."

No.	2	3	4
List per dozen	3.20	3.20	3.20
Diam. point, ins.	2/32	3/32	4/32
App. wt. doz., lbs.	⅝	¾	1

Assorted. List per dozen 2.90

1 to 5/32 assorted in a box.

Swaged from special high grade tool steel; polished point and head; blued finish; knurled body; length 4 inches.

1 dozen of a size in a box.

SEE PAGE 89 FOR BORING MACHINE AUGERS

NAIL SETS

"TORRINGTON."

"Cantrol." List per dozen 3.60

Assorted.

Made from special high grade swaged steel; polished point and square head; dull black finish, knurled body; length four inches; size of points 1/32, 2/32, 3/32, 4/32 and 5/32 inches. Average weight per dozen, 14 ozs.

1 dozen in a box.

"STARRETT."

No. 116	A	B	C
List per dozen	4.00	4.00	4.00
Diam. point, ins.	1/16	3/32	1/8
App. wt. dozen, lbs.	3/4	11/16	13/16

Made of fine grade steel; polished head and point; knurled body; cup points; oval head; length over all, 4 inches.

Packed 1 dozen in a box.

"STARRETT."

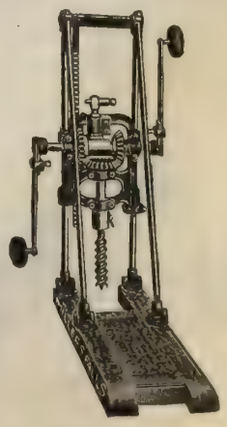
No. 116. Assorted. List per dozen 3.80

Sizes—1/16, 3/32 and 1/8 inch.

Made of fine grade steel; polished head and point; knurled body; cup points; oval head; length over all 4 inches; average weight per dozen, ¾ pounds.

1 dozen in a box.

BORING MACHINES

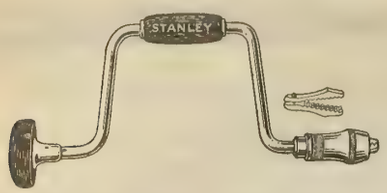


No. 145. List each 41.00

Wood bottom board; upright and angle rods, spindle and crank made of steel; bores vertically or at any angle from the vertical within an arc of 50 degrees; depth of hole regulated by stop; automatic frame lock; adjustable cranks regulating speed and power; made to bore 12 inches; height 25 inches; average weight, boxed 45 pounds, net 28 pounds, without augers.

1 in a wooden box.

BIT BRACES



"STANLEY-VICTOR."

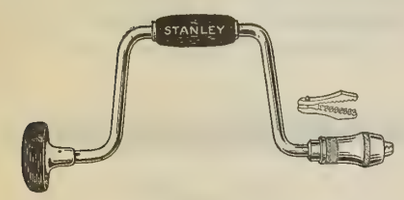
No. 966. List per dozen 19.00

Plain Sleeve.

10-inch Sweep.

Rolled finish; shell polished; stained hardwood head, screwed and cemented on; stained hardwood handle; plain knurled sleeve; hardened alligator jaws; average weight per dozen, 22 pounds.

½ dozen in a box.



"STANLEY-VICTOR."

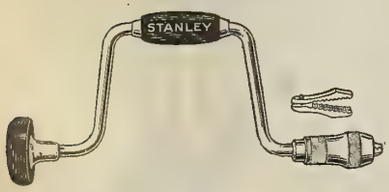
No. 956. List per dozen 26.80

Plain Sleeve.

10-inch Sweep.

Polished steel; stained hardwood head and handle; knurled chuck sleeve; machined and hardened alligator jaws; average weight per dozen, 24 pounds.

½ dozen in a box.



"STANLEY-VICTOR."

No. 946. List per dozen 35.00

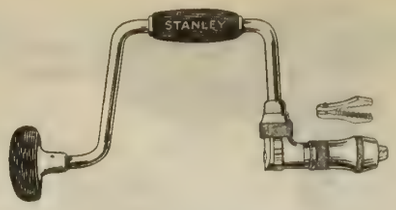
Plain Sleeve.

10-inch Sweep.

Nickel plated; stained hardwood head and handle; milled chuck sleeve; machined and hardened alligator jaws; average weight per dozen, 24 pounds.

½ dozen in a box.

BIT BRACES



"STANLEY-VICTOR."

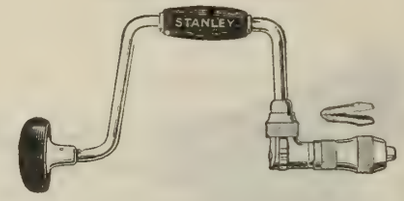
No. 965. List per dozen 38.40

Open Ratchet.

10-inch Sweep.

Polished steel; stained hardwood head and handle; regular plain bearing head; Victor open ratchet; machined and hardened alligator jaws; average weight per dozen, 29 pounds.

½ dozen in a box.



"STANLEY-VICTOR."

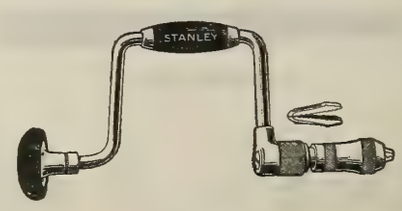
No. 945. List per dozen 54.00

Open Ratchet.

10-inch Sweep.

Nickel plated; stained hardwood head and handle; regular plain bearing head; Victor open ring ratchet; hardened steel alligator jaws; average weight per dozen, 29 pounds.

½ dozen in a box.



"STANLEY."

No. 921. List per dozen 94.50

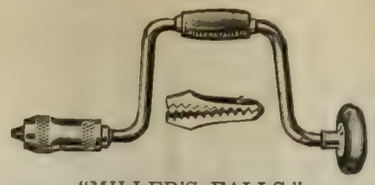
Concealed Ratchet; Ball Bearing Head.

10-inch Sweep.

Heavy nickel plated; cocobolo wood head and handle; ball bearings; concealed ratchet; alligator jaws; holding bit stocks and many sizes of round and irregular shanks; average weight per dozen, 66 pounds.

1/6 dozen in a box.

BIT BRACES



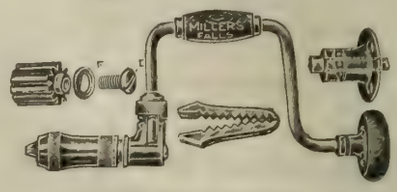
"MILLER'S FALLS."

No. 222. List per dozen 51.60

Barber Plain; 10-inch Sweep.

Full nickel plated; stained hardwood head and handle; forged steel alligator jaws; milled sleeve; ½-inch rod; average weight per dozen, 25½ pounds.

½ dozen in a box.



"MILLER'S FALLS."

No. 32. List per dozen 106.80

Barber Ratchet; Ball Bearing Head.

10-inch Sweep.

Full nickel plated and polished metal parts; cocobolo head and handle; Barber chuck secured with non-loosening screw; dust covered ratchet parts; forged steel alligator jaws holding bit stock shanks and quite a range of round shanks; average weight per dozen, 40 pounds.

1/6 dozen in a box.

"PEXTO."

No.	3003	3002	3001
List per dozen	120.00	122.40	125.60
Sweep, inches	8	10	12
Wt. doz., lbs.	34	38	41

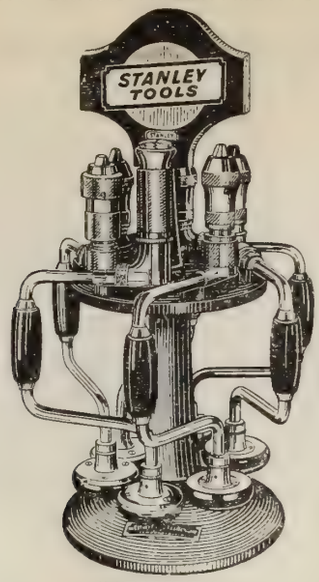
Ratchet; Ball Bearing Head.

Extra heavy sweep, highly polished and nickel plated; cocobolo, full steel clad head; cocobolo centre with concealed brass friction washers and heavy nickel plated ferrules; box ring ratchet; extra knurled steel chuck; one-piece self centreing jaws of spring tempered forged steel.

1/6 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

BIT BRACE ASSORTMENTS



"STANLEY."

No. B. List each 41.50

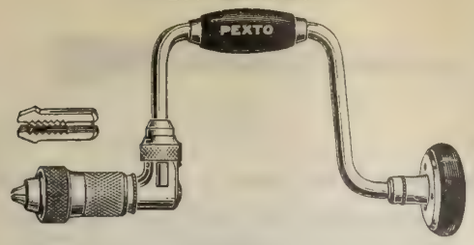
6 Brace Assortment.

Contains one each of the following braces, all 10-inch sweep:

No. 811. Concealed Ratchet, Ball Bearing Head and Chuck. List each 11.00
No. 919. Box Ratchet, Ball Bearing Head. List each 8.00
No. 921. Concealed Ratchet, Ball Bearing Head. List each 8.40
No. 923. Box Ratchet, Ball Bearing Head. List each 7.60
No. 915. Open Ratchet. List each 6.00
No. 945. Open Ratchet. List each 4.80

The display stand included in each assortment is made of wood and painted in pleasing shade of green, height over all, 22 ins.; each assortment packed in wooden case measuring 17 x 12¼ x11½ inches and weighing 45 pounds.

BIT BRACES



"PEXTO."

No. 3202

List per dozen 146.40
Sweep, inches 10
Wt. dozen, lbs. 43

Samson Brace; Box Ring Ratchet.
Ball Bearing Head and Chuck.

Extra heavy sweep highly polished nickel plated; cocobolo head full steel clad; "Samson" ball bearing knurled chuck; improved "Samson" jaw holds securely any shank ⅛ to ½ inch inclusive.

1/6 dozen in a box.

ANGULAR BIT STOCKS

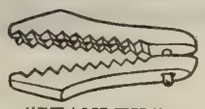
"UNIVERSAL."

No. 108. List per dozen 81.60

Japanned main casting, other parts are nickel plated; master chuck will take bit-stock shanks, round shanks from ⅛ to ½ inch and No. 1 Morse Taper Shanks; length 12½ inches; average weight per dozen, 26 pounds.

1/12 dozen in a box.

BRACE JAWS



"STANLEY."

No. 945. List per dozen 4.80

For No. 945 Bit Brace.

Forged steel; two-piece alligator pattern; machined and hardened; suitable for ordinary sized taper shank bits; average weight per dozen, 20 ounces.

Open Stock.

No. 32. List per dozen 9.60

For No. 32 Bit Brace.

Forged steel; two-piece; polished; alligator jaws; spring connected.

Open Stock.

No. 3202. List per dozen 13.90

For No. 3202 Bit Brace.

Forged steel; patent alligator pattern; carefully machined and hardened; spring connected; ½ inch capacity, round or square shank bits.

Open Stock.

EXTENSION BIT HOLDERS

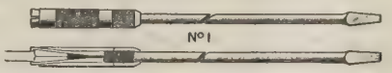
"CRESCENT."

No. 1—18 inch. List per dozen 60.00

Follows ⅝-inch Bit.

High grade; nickel plated. Not intended to hold bits over ⅝ inch; average weight per dozen, 9½ pounds

1/12 dozen in a box.



"STANLEY."

No. 1.

16-inch. List per dozen 50.40

20-inch. List per dozen 51.60

Follows ⅝-inch Bits, and Larger.

Bit socket and shank are of one piece of fine steel; knurled steel sleeve; lipped jaws; $\frac{3}{16}$-inch tip; average weight per dozen:—16 inch, 7 pounds; 20 inch, 9½ pounds.

½ dozen in a box.

BREAST DRILLS

"MILLER'S FALLS."

No. 12. List per dozen 139.20

Ball Bearing, 2 Speeds, With Level.

Black enamelled, malleable iron main stock and breast plate; stained hardwood handles; nickeled chuck and extension crank; cut gears; patent level attachment; adjustable and removable breast plate; ball thrust bearings; chuck holds round shanks from ⅛ to ½ inch diameter, all sizes of bit stock and No. 1 taper shanks; length over all 17½ inches; average weight per dozen, 79 pounds.

1/12 dozen in a box.

"MILLER'S FALLS."

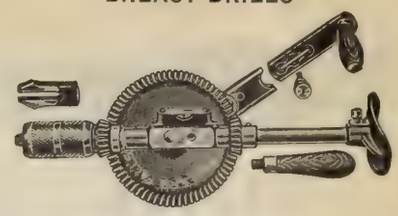
No. 118. List per dozen 186.00

Ball Bearing, 2 Speeds, With Level.

Stained hardwood handles; black enamelled main stock; nickelled chuck and adjustable crank; cut gears; black enamelled adjustable breast plate; patent level attachment; jaw chuck holds straight shank drills only up to ½ inch; length over all, 17½ inches; average weight per dozen, 81 pounds.

1/12 dozen in a box.

BREAST DRILLS



"MILLER'S FALLS."

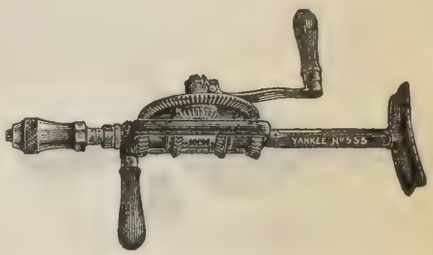
No. 13. List per dozen 175.20

Ball Bearing; With Level.

Single Speed.

Nickel plated, solid steel main stock; cut gears; adjustable crank; black enamelled adjustable breast plate; patent level attachment; 2-jaw chuck holds bit stock shanks, straight shanks from ⅛ to ½-inch, and No. 1 Morse taper shanks; stained hardwood handles; length over all 15 inches; average weight per dozen 70 pounds.

1/12 dozen in a box.



"YANKEE."

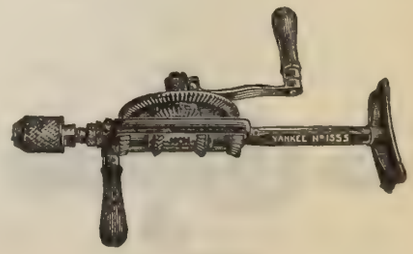
No. 555. List per dozen 270.00

2-jaw; Double Speed.

Ball Bearing.

Malleable iron frame; steel spindle; cut gears; black enamelled main stock; nickel plated chuck and crank; stained hardwood handles; with right and left hand ratchet movement; chuck holds drills up to ½-inch; length over all, 18 inches; average weight each, 7½ pounds.

1/12 dozen in a box.



"YANKEE."

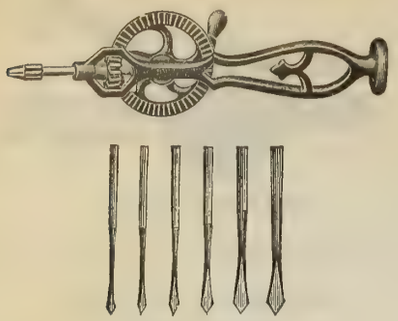
No. 1555. List per dozen 270.00

3-Jaw; Double Speed; Ball Bearing.

Malleable iron frame; steel spindle; cut gears; black enamelled main stock; nickel plated chuck and crank; stained hardwood handles; with right and left hand ratchet movement; chuck holds drills up to ½-inch; length over all 17 inches; average weight each, 7 pounds.

1/12 dozen in a box.

HAND DRILLS

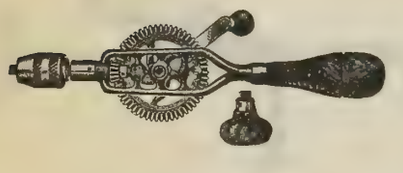


"MILLER'S FALLS."

No. 4. List per dozen **29.00**

Black enamelled cast iron frame; chuck takes six diamond drill points which are supplied with the tool; length 8 inches; average weight per dozen, 7½ pounds.

1/12 dozen in a box.



"MILLER'S FALLS."

No. 1. List per dozen **93.60**

Ball Bearing.

Cocobolo handles; black enamelled malleable frame; 3⅛ inch cut gear wheel, painted red; nickeled steel crank; jaw chuck holds round drills up to $\frac{3}{16}$-inch; hollow top handle contains eight blued steel, fluted drill points; length over all 12½ inches; average weight per dozen, 20 pounds.

1/12 dozen in a box.

"MILLER'S FALLS."

No. 3. List per dozen **94.40**

Stained hardwood handles; solid steel frame; large gear painted red, all other metal parts nickel plated; hollow end handle; detachable side grip handle; cut gears; 3-jaw chuck takes drills up to $\frac{3}{16}$ inch; no drill points included; length 11 inches; average weight per dozen, 18 pounds.

1/12 dozen in a box.

HAND DRILLS

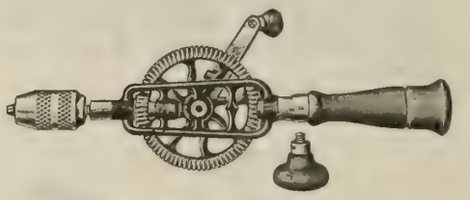
"MILLER'S FALLS."

No. 5. List per dozen **102.00**

Ball Bearing.

Cocobolo handles; black enamelled malleable iron frame; 3⅜ inch gear wheel painted red; gear ratio of 4½ to 1; nickel plated steel crank; cut gears; ball thrust bearings; removable side grip handle; screw cap hollow end handle containing 8 blued steel, fluted drill points; springless three-jaw chuck with capacity up to 3-16 inch; length 12½ inches; average weight per dozen, 20 pounds.

1/12 dozen in a box.



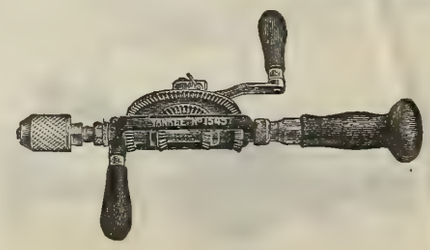
"MILLER'S FALLS."

No. 2. List per dozen **136.00**

Ball Bearing.

Tropical wood handles; black enamelled malleable iron frame; 4-inch gear wheel painted red; gear ratio of 4½ to 1; nickeled steel crank; cut gears; removable side grip handle; ball thrust bearings; three-jaw Star chuck, with springs; takes round drills up to ⅜ inch; hollow end handle contains eight blued steel, fluted drill points; length over all, 14½ inches; average weight per dozen, 29 pounds.

1/12 dozen in a box.



"YANKEE."

No. 1545. List per dozen **234.00**

3-Jaw; Double Speed; Ball Bearing.

Malleable iron frame; steel spindle; cut gears; large gear 4½ inches, small gear 1½ inches diameter; right and left hand ratchet movement; dull black and nickel plated finish; hollow handle 4½ inches long; chuck holds round shank drills up to ⅜-inch. Length over all, 16 inches; average weight per dozen, 58 pounds.

1/12 dozen in a box.

AUTOMATIC DRILLS

"YANKEE."

No. 42. List per dozen **59.10**

Nickel plated brass steel body; knurled steel chuck; tool steel spiral; rosewood finished handle; eight drill points 1/16 to 11/64 inches, in a small box; length over all, with drill, 10¾ inches; average weight per dozen, 6 pounds.

1/12 dozen in a box.

"YANKEE."

No. 41. List per dozen **74.60**

Nickel plated brass tubes; knurled steel handle, and chuck; has magazine for drill points in the handle; nickel plated and full polished; eight drills 1/16 to 11/64 inches; length over all with drill, 11¼ inches; handle 1⅛ inches in diameter; average weight per dozen, 7 pounds.

1/12 dozen in a box.

EXTRA SPRINGS

For No. 41 Drills. List per dozen **4.00**
Coil steel spring 18 gauge; 5½ inches long.

Open Stock.

"YANKEE."

No. 44. List per dozen **90.00**

Nickel plated brass tubes; knurled steel handle, and shank; has magazine for drills in the handle; adjustable tension to regulate strength suitable for soft or hard wood; eight drill points 1/16 to 11/64 inches; length over all with drill 11¼ inches; handle 1¼ inches in diameter; average weight per dozen, 9 lbs.

½ dozen in a box.

DRILL POINTS

"YANKEE."

List per dozen **3.00**

Sizes—1/16, 5/64, 3/34, 7/64, 1/8, 9/64, 5/32, 11/64.

Packed 1 dozen in a round wooden box; average weight per dozen, 4 ounces.

SCREW DRIVERS

"Yankee."

No. 12 Ratchet. List per dozen 25.00

Blade 1⅛ inch in length; forged from cast steel; tempered ground and polished; nickel plated ferrule; polished hardwood handle; length over all, 6 inches; average weight per dozen, 3½ pounds.

½ dozen in a box.

"Yankee."

No. 10 Ratchet.

Blade, inches	2	4	6
List per dozen	17.20	22.80	28.50
Diam. blade, ins.	3/16	¼	5/16
App. wt. dozen, lbs.	1¼	4¼	5½

Right and Left Hand, and Rigid.

Blade is forged from cast steel; tempered, ground and polished; nickel plated ferrules; adjustment for right or left hand, is made by slide moved in direction of length of blade, polished hardwood handle

½ dozen in a box.

"Yankee."

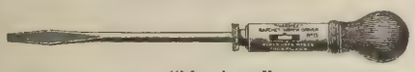
No. 11 Ratchet.

Blade, inches	2	3	5	6
List per dozen	17.20	21.60	25.00	28.50
Diam. blade, ins.	3/16	¼	¼	5/16
App. wt. doz., lbs.	1¼	2½	3½	5

Right and Left Hand, and Rigid.

Blade is forged from cast steel; tempered, ground and polished; nickel plated ferrules; adjustment for right or left hand, is made by slide moving across length of blade; polished hardwood handle.

½ dozen in a box.



"Yankee."

No. 15 Ratchet.

Blade, inches	3	4	5	6
List per dozen	18.20	19.00	19.80	20.50
Diam. blade, ins.	3/16	3/16	3/16	3/16
App. wt. doz., lbs.	1½	1¾	2	2¼

Right and Left Hand, and Rigid.

Blades are forged from cast steel; tempered, ground and polished; nickel plated ferrule; adjustment for right or left hand, is made by slide moved in direction of length of blade; knurled blade washer for turning blade with finger and thumb while hand presses on handle; hardwood handles.

½ dozen in a box.

SCREW DRIVERS

"Yankee."

No. 35. Spiral Ratchet.

List per dozen 60.00

Light pattern; nickel plated polished steel; knurled chuck; right and left hand spiral; polished hardwood handle; three tool steel blades; length with bit in chuck, 9⅛ inches; average weight per dozen, 6 pounds.

1/12 dozen in a box.

"Yankee."

No. 30. Spiral Ratchet.

List per dozen 78.00

Standard size; nickel plated polished steel; right and left hand spiral; polished hardwood handle; three polished tool steel blades; length with bit, 13½ inches; average weight per dozen, 12 pounds.

1/12 dozen in a box.

"Yankee."

No. 31. Spiral Ratchet.

List per dozen 104.00

Heavy pattern; nickel plated polished steel case; right and left hand spiral; polished hardwood handle; three polished tool steel blades; length with bit in chuck 17½ inches; average weight per dozen, 19 pounds.

1/12 dozen in a box.

"Yankee."

No. 135. Quick Return.

List per dozen 72.00

Light pattern; nickel plated steel case; knurled chuck; right and left hand spiral; polished hardwood handle; milled locking collar; three polished tool steel blades; length with bit in chuck, 10 ins.; average weight per dozen, 8 pounds.

1/12 dozen in a box.

"Yankee."

No. 130. Quick Return.

List per dozen 91.60

Regular pattern; nickel plated polished steel case; knurled chuck; right and left hand spiral; polished hardwood handle; milled locking collar; three polished tool steel blades; length with bit in chuck, 15 inches; average weight per dozen, 15 pounds.

1/12 dozen in a box.

SCREW DRIVERS

"Yankee."

No. 131. Quick Return.

List per dozen 124.00

Heavy pattern; nickel plated; polished steel case; knurled chuck; right and left hand spiral; polished hardwood handle; milled locking collar; three polished tool steel blades; length with bit in chuck 19⅝ inches; average weight per dozen, 24 pounds.

1/12 dozen in a box.

CHUCKS ONLY

For No. 30 Yankee Screw Drivers.

List per dozen 4.80

For converting Yankee screw drivers into automatic drills; average weight per dozen, ¼ pound.

Open Stock.

CHUCKS WITH DRILL POINTS

"Yankee."

No. 30. List per dozen sets 26.00

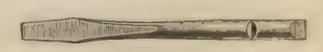
For No. 30 Yankee Screw Driver.

No. 31. List per dozen sets 26.00

For No. 31 Yankee Screw Driver.

Contains chuck and 8 drill points, 1/16 to 11/64 inches inclusive; average weight per dozen sets, 1¼ pounds.
1 set in a round wooden box; 1 dozen sets in a cardboard box.

EXTRA YANKEE SCREW DRIVER BITS



No. 30. List per dozen sets 17.70

For No. 30 Yankee Screw Driver.

Best cast steel, polished; notched to fit No. 30 Yankee Drivers; in sets of three, one each 3/16, 1/4 and 9/32 inch Bits; length over all 3½ inches; average weight per dozen sets, 3 pounds.

1/12 dozen sets in an envelope.

SCREW DRIVERS

"STANLEY-DEFIANCE."

No. 65.

Blade, ins.	2½	4	5	6
List dozen	4.50	5.20	5.80	6.40
Diam., ins.	7/32	1/4	5/16	5/16
Over all, ins.	6½	9	10½	11¾
Wt. doz., lbs.	1½	2½	3½	4

Blade, ins.	8	10
List, dozen	8.40	10.00
Diam., ins.	3/8	3/8
Over all, ins.	15	17
Wt. doz., lbs.	6½	8

Standard Blade and Tip.

Round steel blade with squared shank forced into the handle; a pin is rivetted through the polished steel ferrule, handle and shank; wood handles are fluted and stained red.

½ dozen in a box.

"STANLEY-HURWOOD."

No. 21. List per dozen 5.20

Baby. 1½-inch Blade.

A handy tool for vest pocket; 4⅛ inches long over all; 1½ inch blade; 7/32-inch diameter; 5/32-inch tip; one piece blade, shank and head of special steel; fluted wood handle stained black; average weight per dozen, 1 pound.

½ dozen in a box.

"STANLEY-HURWOOD."

No. 51. List per dozen 7.80

Machinists—1¾-inch Blade.

Standard Head; Extra Heavy Blade.

One-piece blade, shank and head of special steel; seamless ferrule; fluted wood handle, stained black; 5½-inches over all; average weight per dozen, 2½ pounds.

½ dozen in a box.

SCREW DRIVERS

"STANLEY-HURWOOD."

No. 20. Standard Head.

Blade, ins.	4	5	6	8	10
List doz.	7.20	8.50	10.20	12.60	15.70
Diam., ins.	¼	5/16	5/16	3/8	3/8
Over all, ins.	9	10½	11¾	15	17
Wt. doz., lbs.	2¾	4¼	5	8½	9

Polished high grade steel; one-piece blade, shank and head; the shank passes through the handle; polished steel seamless ferrule; fluted handle stained black.

½ dozen in a box.

"STANLEY-HURWOOD."

No. 55. Insulated Head.

Blade, ins.	2½	3	4	6
List dozen	5.20	6.00	7.20	10.20
Diam., ins.	5/32	5/32	5/32	5/32
Over all, ins.	6¼	6½	7½	9½
Wt. dozen, lbs.	1	1¼	1½	1¾

Polished high grade steel; one-piece blade, shank and head; shank passes through the handle and is insulated; polished steel seamless ferrule; fluted wood handle; stained black.

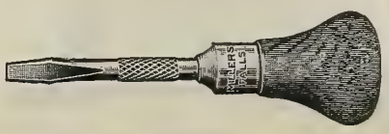
½ dozen in a box.

No. 49.

Blade, ins.	3	4	5	6	8
List per doz.	2.80	2.90	3.30	3.70	5.40
Diam., ins.	¼	¼	¼	5/16	3/8
Over all, ins.	7¾	8½	9½	11⅜	14¾
Ap. wt. dz. lbs.	2	2⅛	2½	4	6½

Round steel blade; hardened and tempered, bright finish; brass ferrule; round wood handle; stained red.

½ dozen in a box.



"MILLER'S FALLS."

No. 66. List per dozen 6.00

1½-inch Blade.

Cocobolo handle 1 inch diameter; polished blade with knurled shank; nickel plated ferrule; length over all, 3⅛ inches; a small and neat screw driver; average weight per dozen, 9 ozs.

1 dozen in a box.

SCREW DRIVERS

"Disston's."

No. 265. Cabinet Makers'.

Blade, ins.	2	3	4	5	6
List per doz.	6.10	6.60	6.90	8.10	8.60
Over all, ins.	5⅞	7	7⅞	8⅞	9⅞
Ap. wt. dz., lbs.	1¼	1⅜	1 7/16	1½	1⅝

Polished steel blade, 3/16-inch diameter; tang is rivetted through ferrule and handle; heavy steel ferrule nickel plated; fluted hardwood handle; black finish.

½ dozen in a box.

"Perfect" Handle.

No. 609.

Blade, ins.	4	5	6
List per dozen	10.70	12.50	15.00
Diam., ins.	¼	¼	5/16
Over all, ins.	8¾	9¾	11⅝
App. wt. doz., lbs.	4	4¼	6¼

Blade, ins.	7	8	10	12
List per dozen	17.50	20.00	25.00	30.00
Diam., ins.	5/16	3/8	3/8	3/8
Over all, ins.	12⅝	14¾	16½	18½
App. wt. doz., lbs.	7	10¼	11	12¾

Polished Round Shank Blade

Blade, bolster, handle part and head are forged from one piece of special analysis steel, perfectly tempered; stained, oval hardwood handle sides; firmly secured by two rivets which are headed on both sides.

½ dozen in a box.

"4-in-1." List per dozen 16.00

White metal knurled holder handle, 4½ inches long, ½-inch diameter, and with bit inserted, measures 6 inches over all; four fine quality steel bits, carefully hardened, ground and tempered; the three smaller bits fit one within the other and are inserted in the handle; shield protects the large screw driver blade; all parts nickel plated and polished; size of bits, 1, 3, 5 and 7/32-inch; average weight each, ¼ pound.

1 1/3 dozen in a carton with lithographed tin counter display.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

SCREW DRIVERS

MINATURE ASSORTMENT

No. 811. List each 2.10

12 Assortment.

4 each 1¼, 2¼ and 3 inch.

Hammer forged round tool steel blades; nickel plated ferrules; mahogany stained hardwood handles; attractively mounted on an easel back cardboard display stand; average weight each, 6 ounces.

2 assortments in a box.

SOCKET FIRMER CHISELS

"PEXTO."

No. 11. Plain Back.

Blade (width) ins.	¼	5/16	3/8	½	⅝
List per dozen	18.60	18.60	18.60	18.60	20.70
App. wt. dozen, lbs.	4	4¼	4½	5	6½
Blade (width) ins.	¾	⅞	1	1¼	1½	1¾
List per dozen	21.20	24.00	24.70	27.30	29.20	32.00
App. wt. dozen, lbs.	7	7½	8	10½	12	14

Leather Capped Handles.

Forged from special crucible steel of the greatest strength and toughness; hardened and tempered by special process; will hold a fine and sharp cutting edge; mirror finish; Norway iron sockets; polished handles of selected, seasoned white hickory; length of blade, 6 to 7 inches.

½ dozen in a box.

"PEXTO."

No. 11. Bevel Back.

Blade (width) ins.	¼	5/16	3/8	½	⅝	¾
List per dozen	21.60	21.60	21.60	21.60	23.70	24.20
App. wt. dozen, lbs.	4	4¼	4½	5	6½	7
Blade (width) ins.	⅞	1	1¼	1½	2
List per dozen	26.90	27.70	30.30	32.20	36.20
App. wt. dozen, lbs.	7½	8	10½	12	15

Leather Capped Handles.

Forged from special crucible steel of the greatest strength and toughness; hardened and tempered by special process; will hold a fine and sharp cutting edge; mirror finish; Norway iron sockets; polished handles of selected, seasoned white hickory; length of blade 6 to 7 inches.

½ dozen in a box.

"FOWLER'S"

Plain Back.

Blade (width) ins.	¼	5/16	3/8	½	⅝	¾
List per dozen	14.00	14.20	14.40	15.00	15.60	15.80
App. wt. dozen, lbs.	2¾	3½	3¾	4	5	5¾
Blade (width) ins.	⅞	1	1¼	1½	1¾	2
List per dozen	17.00	18.40	19.30	20.40	21.60	24.30
App. wt. dozen, lbs.	6¼	6½	8¼	10½	12¼	13¾

Leather Capped Handles.

Best quality tool steel, carefully tempered and tested; mirror finish; Swedish iron sockets; polished handles of selected, seasoned, Elm; length of blade, 6 inches.

½ dozen in a box.

SOCKET FIRMER CHISELS

"FOWLER'S"

Bevel Back.

Blade (width) ins.	¼	3/8	½	⅝	¾
List per dozen	15.80	16.00	17.00	18.00	18.20
App. wt. dozen, lbs.	2¾	3¾	4	5	5¾
Blade (width) ins.	7/8	1	1¼	1½	2
List per dozen	19.20	20.40	21.60	22.80	24.50
App. wt. dozen, lbs.	6¼	6½	8¼	10½	13¾

Leather Capped Handles.

Best quality tool steel, carefully tempered and tested; mirror finish; Swedish iron sockets; polished handles of selected, seasoned Elm; length of blade, 6 inches.

½ dozen in a box.

SOCKET BUTT CHISELS

"FOWLER'S"

Bevel Back.

Blade (width) ins.	¼	3/8	½	⅝	¾
List per dozen	15.80	16.00	17.00	18.00	18.20
App. wt. dozen, lbs.	2½	3¼	3⅜	3¾	4
Blade (width) ins.	1	1¼	1½	2
List per dozen	20.40	21.60	22.80	24.50
App. wt. dozen, lbs.	4¾	6	7	9¾

Leather Capped Handles.

Best quality tool steel, carefully tempered and tested; mirror finish; Swedish iron sockets; polished handles of selected, seasoned Elm; oak tanned leather caps; length of blade, 3 inches.

½ dozen in a box.

SOCKET FRAMING CHISELS

"FOWLER'S"

Diamond Back

Blade (width) ins.	1¼	1¾	2
List per dozen	25.20	31.20	34.80
App. weight dozen, pounds	24	28	31½

Best quality tool steel, carefully tempered and tested; full polished; Swedish iron sockets; polished handles of selected seasoned Elm, with malleable iron ring; length of blade, 7¾ inches.

1¼ and 1¾ inch, ½ dozen in a box.
2 inch, ¼ dozen in a box.

TANGED FIRMER CHISELS

Sheffield Make.

No. D.1. Plain Back.

Blade (width) ins.	1/8	1/4	3/8	1/2	5/8
List per dozen	4.70	4.70	5.30	6.10	6.60
Length blade, inches	3¼	3½	3½	3⅞	4
App. wt. dozen, lbs.	5/16	¾	1⅛	1½	2

Blade (width) ins.	¾	⅞	1	1¼	1½
List per dozen	7.30	8.30	9.40	12.10	14.90
Length blade, ins.	4⅛	4⅛	4¼	4⅞	5⅜
App. wt, dozen, lbs.	2½	3	3¼	4½	7

Unhandled:

Made of the best English cast steel; tempered by special process; polished; natural finish square tapered tang.
1 dozen in a carton.

Sheffield Make.

No. D.10. Bevel Back.

Blade (width) ins.	1/4	3/8	1/2	5/8	3/4
List per dozen	9.10	9.60	10.50	11.00	11.60
Length blade, ins.	3½	3½	3⅞	4	4⅛
App. wt. dozen, lbs.	¾	1⅛	1½	2	2½

Blade (width) ins.	⅞	1	1¼	1½
List per dozen	12.80	13.80	18.70	21.60
Length blade, ins.	4⅛	4¼	4⅞	5⅜
App. wt. dozen, lbs.	3	3¼	4½	7

Unhandled.

Made of the best English cast steel; tempered by special process; polished; natural finish square tapered tang.
1 dozen in a carton.

TANGED FIRMER GOUGES

Sheffield Make.

No. D.19. Outside Bevel.

Blade (width) ins.	5/16	1/4	3/8	1/2	5/8	3/4	1
List per dozen	5.80	5.80	7.00	7.20	7.70	8.60	10.80
Length blade, ins.	3¼	3½	3¾	3¾	4	4	4
App. wt. doz., lbs.	⅜	¾	1	1 5/16	1⅝	2¼	3

Unhandled.

Made of the best English cast steel; tempered by special process; polished; natural finish square tapered tang.
1 dozen in a carton.

Sheffield Make.

No. D.19. Inside Bevel.

Blade (width) ins.	¾	1	1¼
List per dozen	8.80	11.00	15.00
Length blade, inches	4	4	4¼
App. weight dozen, lbs.	2¼	3	4¼

Unhandled.

Made of the best English cast steel; tempered by special process; polished; natural finish square tapered tang.
1 dozen in a carton.

CHISEL HANDLES

Tanged Firmer, Assorted.

No. 607. List per dozen 2.70

Leather Capped.

Made from selected hickory, polished; 3-layer leather head of good quality sole leather; wrought brass ferrule; assorted for chisels ½ to 2 inches; average weight per dozen, 1⅞ pounds.
1 dozen in a box.

Tanged Firmer, Assorted.

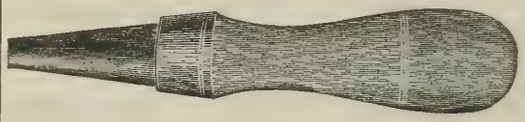
No. 31. List per dozen 2.80

Assorted for chisels, ⅛ to 1¼ inches; average weight per dozen, 1¾ pounds.
Selected hickory, polished; with brass ferrule.
1 dozen in a box.

No. 33. List per dozen 3.20

Assorted for chisels, ⅜ to 2 inches; average weight per dozen, 1⅞ pounds.
Selected hickory, polished; with brass ferrule
1 dozen in a box.

CHISEL HANDLES



Socket Firmer, Assorted.

No. 55. List per dozen 2.30

Made from selected hickory, polished; assorted for chisels ⅜ to 2 inches; average weight per dozen, 1⅝ pounds.
1 dozen in a box.

Socket Firmer, Assorted.

Nos.	For chisels, inches.	Aver. wt. doz., lbs.	List per dozen.
616	⅛-1¼	1¾	2.80
617	⅜-2	2	4.50

Leather Capped.

Made from selected hickory, polished; 3-layer leather head of good quality sole leather.
1 dozen in a box.

CHISEL HANDLES

Socket Framing, Assorted.

No. 75. List per dozen 2.90

Made from selected hickory, finely polished; malleable iron head ring; assorted for chisels ⅝ to 2 inches; average weight per dozen, 2½ pounds.
1 dozen in a box.

Socket Framing, Assorted.

No. 625. List per dozen 5.20

Leather Capped.

Made from selected hickory, polished finish; 3-layer leather head of sole leather; assorted for chisels ⅝ to 2 inches; average weight per dozen, 2⅜ pounds.
1 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

CHISEL HANDLES

Socket Firmer, Assorted.

No. 416. List per dozen 3.00
Three sizes for chisels 1/2 to 2 inches; average weight per dozen, 1½ pounds.

No. 417. List per dozen 3.20
Four sizes for chisels 5 1/16 to 1½ ins.; average weight per dozen, 1⅝ pounds.

Leather Capped.

Made of selected beechwood; polished finish, 2 to 3-layer leather head of good quality.

1 dozen in a box.

Tanged Firmer; Assorted.

No. 407. List per dozen 3.00

Leather Capped.

Made of selected beechwood; polished finish, heavy brass ferrule; 3-layer leather cap of good quality; 3 sizes for chisels 1/2 to 2 inches; average weight per dozen, 2 pounds.

1 dozen in a box.

BRAD AWLS

"BOKER."

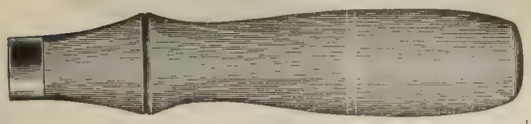
No. 4554. List per dozen 1.20

Shouldered.

Assorted sizes 15/16 to 1¾ inches.
Round beech wood handles; polished finish, fine quality steel blade, flat point; polished steel ferrule; average weight per dozen, 5/8 pound.

3 dozen in a box.

FILE HANDLES

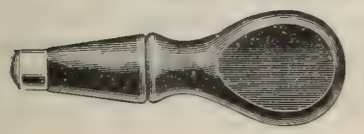


No.	175	178
List per gross	6.80	7.70
Length, inches	4	4⅝
Av. wt. gross, lbs.	8¼	13½

Selected birch; polished, pressed steel ferrule.

Open Stock.

SCREW DRIVER HANDLES



No. 135½.

Inches	5	6	8	10
List per dozen	3.20	3.60	4.00	4.80
For shank, ins.	⅝x5/32	⅝x5/32	11/16x3/16	¾x3/16
App. wt. doz., lbs.	1	1½	2½	3⅛

Maple handle, polished edge, flat side; heavy brass ferrules.

Open Stock.

SEWING ALL HAFTS

No. 6½. List per dozen 5.10

Patent; applewood; steel chuck; length 4½ inches; with wrench to tighten or release the chuck; will hold any size awl; average weight per dozen, 2 pounds.

1 dozen in a box.

PEG AWL HAFTS

No. 6. List per dozen 4.00

Hickory; with leather top; steel chuck; length 3¾ inches; with wrench to tighten or release the chuck; will hold any size awl; average weight per dozen, 2 pounds.

1 dozen in a box.

AWLS

Shouldered Peg Awls.

No. 215. List per gross 2.70

Polished cast steel; pointed tang; for common awl halfts; assorted lengths, average weight per gross, 8 ounces.

1 gross in a box.

Tanged Stabbing.

No. 8425. List per gross 3.50

Polished cast steel; pointed tang; for use in common sewing awl handles; length 2½ inches; average weight per gross, 3 ounces.

1 gross in a box.

Common Harness.

No. 8428. List per gross 4.00

Polished cast steel; pointed tang; for use in common sewing awl handles; assorted sizes 1 11/16 to 2⅞ inches; average weight per gross, 5 ounces.

1 gross in a box.

Common Sewing

No. 8424. List per gross 7.00

Polished cast steel; pointed tang; bent oval blade; for use in common sewing awl handles; assorted sizes, 1¾ to 3 inches; approximate weight per gross, 8 ounces.

1 gross in a box.

Patent Sewing.

No. 8908. List per gross 7.00

Polished cast steel; square shank; bent oval blade; for use in Patent Awl hafts; assorted lengths 2 to 2 9/16 inches; approximate weight per gross, 10 ounces.

1 gross in a box.

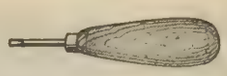
Patent Peg Awls.

No. 41. List per gross 10.00

Silvered steel; square shank; oval blade; for use in patent peg awl handles; assorted lengths 1¼ to 1 9/16 inches; average weight per gross, 5 ounces.

1 gross in a box.

BRAD AWLS



No. 3. List per dozen 2.80

Hardwood handles in assorted sizes, 3¼ to 4 inches long; forged steel, polished blades in assorted sizes 1 to 1½ inches long; small flat points; brass ferrule; average weight per dozen, ⅞ pound.

1 dozen in a box.

SCRATCH AWLS

No. 4575. List per dozen 2.40

B. test quality; polished walnut handle with ferrule; polished pointed blade 4 inches long; length over all 7⅝ inches; average weight per dozen, 1½ pounds.

1 dozen in a box.

"STANLEY-HURWOOD"

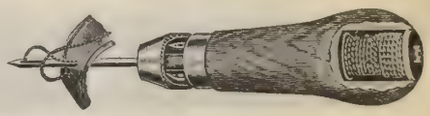
No. 8. List per dozen 9.80

Tinners, Needle Point.

Blade 3¾ inches; diameter ¼ inch; length over all, 7½ inches; blades shank and head formed of one piece of steel; wood handle stained black; average weight per dozen, 2½ pounds.

½ dozen in a box.

SEWING AWLS



Neverip Stitcher. List per dozen 17.00

For Sewing Any Heavy Material.

Stained, hollow, hardwood handle; nickel plated steel ferrule, chuck and reel holder; length over all, 4⅜ inches; complete with one straight and one bent, diamond point grooved needles, and reel of waxed thread; average weight per dozen, 2¾ pounds; 1 in a carton.

½ dozen in a box.

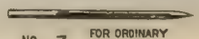
SEWING AWL PARTS

For Neverip Stitchers.

Extra Reels. List per dozen 4.00

Approximately 18 yards of waxed machine thread wound on steel reel; average weight per dozen, ½ pound.

1 dozen in a box.



NO. 7 FOR ORDINARY HARNESS WORK

NO.8 FOR SOLING SHOES

Extra Needles.

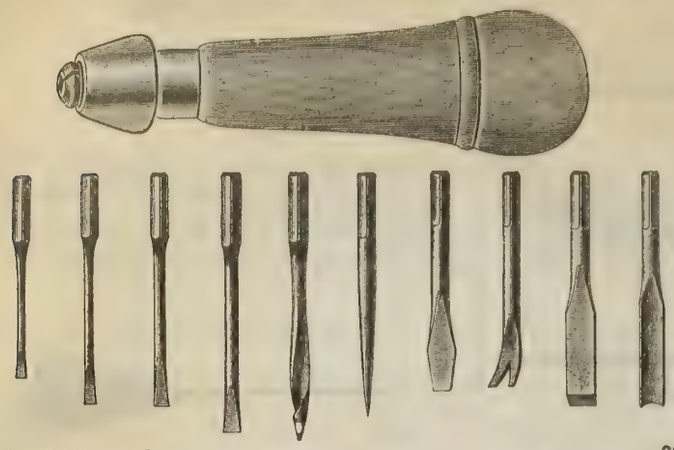
No. 7. Straight. List per dozen 2.20

No. 8. Curved. List per dozen 2.20

Fine grade steel carefully tempered and polished; diamond point, grooved; average weight per dozen, 1 ounce.

1 dozen in an envelope.

AWL AND TOOL SETS



No. 5. List per dozen 30.00

Screw cap, hollow, applewood handle 5¾ inches long; nickel plated thumb nut, grip and ferrule; 2½ inch, superior cast steel tools carefully tempered and sharpened.

Contains 10 Tools—1 gouge, 1 chisel, 1 tack claw, 1 screw driver, 1 scratch awl, 1 gimlet, 4 assorted brad awls.

½ dozen in a box.

CARPENTERS' PENCILS

No. 104. List per gross 10.50

7-inch; hard lead; octagon shape flat sides; mahogany stained and varnished; average weight per gross, 3½ lbs.

1 dozen in a bundle; ½ gross in a box.

No. 106. List per gross 10.50

7-inch; medium lead; octagon shape flat sides; varnished natural finish; average weight per gross, 3½ pounds.

1 dozen in a bundle; ½ gross in a box.

No. 587. List per gross 16.00

"Tortoise Shell."

7-inch; medium lead; pointed; gloss finished cedar; flat octagon shape; mottled amber color; gilt stamped; average weight per gross, 3 pounds.

½ gross in a box.

No. 580. List per gross 17.00

"Master Mechanic."

7-inch; specially prepared medium lead; flat octagon shape; glass finish; yellow color; aluminum stamped; average weight per gross, 4 pounds.

½ gross in a box.

METAL WORKERS CRAYONS

"Pyrotalcal."

5 x 1½ x 3/16-inch. List per gross 2.70

A composition crayon of special variety of talc; free from all flinty or gritty particles; made particularly for marking metal; average weight per gross, 6 pounds.

1 gross in a box.

METAL MARKING PENCILS

"Blaisdell."

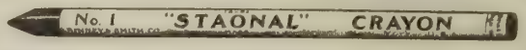
No. 795. Black. List per gross 37.20

Hardware Black Marking.

6½-inch; paper covered; olive green finish; silver stamped; a superior quality, wax crayon for marking tinware, glass, etc.; to sharpen, cut one thickness of paper between the perforations and unwind; average weight per gross, 5 pounds.

1/12 gross in a box; ½ gross in a carton.

MARKING CRAYONS



"Staonal."

No. 1. Blue. List per gross 8.40

No. 1. Black. List per gross 9.50

Marking, Checking or Lumber Crayons.

An indelible crayon of unsurpassed quality, water proof, will not rub off; permanent colors, not affected by climatic changes; 6 inches long, $\frac{7}{16}$-inch diameter; paper wrapped; pointed; average weight per gross, 5 pounds; 1 dozen in a box.

1 gross in a carton.

LUMBER CRAYONS

"Dixon."

No. 365. Soft Black. List per gross 19.20

4½ x ½-inch; for all kinds of lumber.

Hexagon; finest graphite; paper wrapped; pointed; for marking steel and iron, concrete and stone, and lumber in all stages of preparation; average weight per gross, 12 pounds.

½ gross in a carton, each dozen in a box.

No. 0365. Soft Black. List per gross 19.20

4¾ x 9/16-inch. For Green and Wet Lumber.

Hexagon; first class in quality of materials and richness and permanency of colors; paper wrapped; pointed; average weight per gross, 10½ pounds.

1/12 gross in a box.

No. 0521. Hard Blue. List per gross 27.60

No. 520. Hard Red. List per gross 30.00

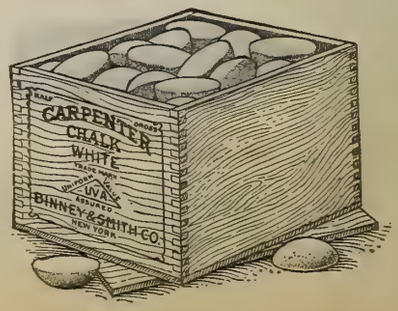
4¾ x 9/16-inch. For Dry Lumber, Iron, etc.

Hexagon; first class in quality of materials and richness and permanency of colors; paper wrapped; pointed; average weight per gross, 10½ pounds.

1/12 gross in a box.

CARPENTERS' CHALK

Colors.	List per gross
White	4.50
Red	5.50
Blue	5.50



Hemispherical cakes, 2⅛-inch face; for marking chalk lines, patterns, etc.; average weight per gross, 5¼ pounds.

½ gross in a box

H. S. HOWLAND, SONS & CO., LIMITED WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

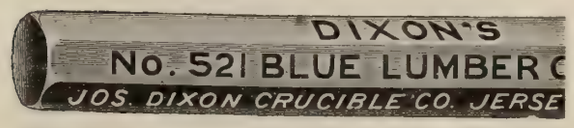
CARPENTERS PENCILS

No. 290. List per gross 8.20

7 inch; hard lead; octagon shape flat sides; mahogany stained and varnished finish; average weight per gross, 2¾ pounds.

1/2 gross in a box.

LUMBER CRAYONS



"DIXONS."

No. 521 Blue. List per gross 30.00

4½ x ½ inch; for all kinds of lumber.

Hexagon; finest graphite; paper wrapped; pointed, for marking steel, iron, concrete, stone and lumber; average weight per gross, 10¼ pounds.

1/2 gross in a carton, 1/12 gross in a box.

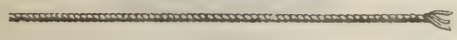
MASONS LINES

No. 12. List per gross **39.60**

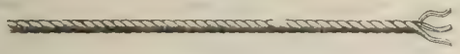
100-ft Hanks—12 Connected.
Twisted white cotton; average weight per dozen, 1½ pounds.
1/12 gross in a box.

CHALK LINES

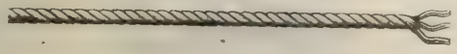
Cable Laid White Cotton.



No. 15 x 20 feet. List per gross **5.50**
20-ft. hanks—12 connected; average weight per gross, 2¼ pounds.
½ gross in a box.



No. 13 x 20 feet. List per gross **9.80**
20ft. hanks—12 connected; average weight per gross, 5 pounds.
½ gross in a box.



No. 12½ x 20 feet. List per gross **10.10**
20-ft. hanks—12 connected; average weight per gross, 6 pounds.
½ gross in a box.

No. 12½ x 50 feet. List per gross **24.00**
50-ft. hanks—12 connected; average weight per gross, 13 pounds.
½ gross in a box.

PLUMB BOBS

No. 1. List per dozen **3.00**

Staple Top.
Cast iron, japanned; weight 9 oz.; size 2¼ x 1¾ inches; true alignment; average weight per dozen, 7 pounds.
1 dozen in a box.

No.	Size, ins.	Weight each, lbs.	List per dozen.
00.	1¾x3⅛	1⅛	6.00
0.	1⅞x3	2⅝	9.50

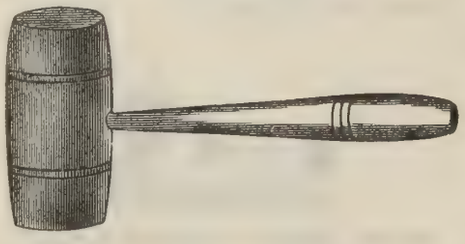
Adjusted Top.
Cast iron japanned; carefully ground, true alignment.
½ dozen in a box.

PLUMB BOBS

No.	Size ins.	Weight each, ozs.	List per dozen
N30	1⅝x3⅜	12	7.70
N31	1⅞x4⅛	18	10.00

Nickel Plated.
Grey iron; nickel plated sharp points; hardened; perfect alignment.
½ dozen in a box.

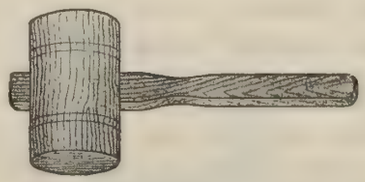
TINNERS' MALLETS



Maple. List per dozen **3.50**

Plain finish maple head 6 inches long, 2¼ inch diameter face; turned hardwood handle 10½ inches long mortised into head; average weight per dozen, 10¾ pounds.
Open Stock.

CARPENTERS' MALLETS



Round Hickory.

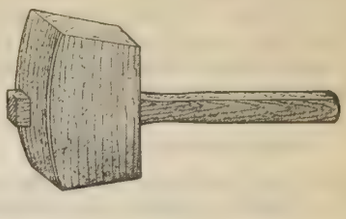
No. 2. List per dozen **19.20**

Head 5½ inches long, face 3½ inches diameter; handle 13 inches long; average weight per dozen, 22 pounds.

No. 3. List per dozen **20.60**

Head 6 inches long, face 4 inches diameter; handle 13 inches long; average weight per dozen, 28½ pounds.
Open Stock.

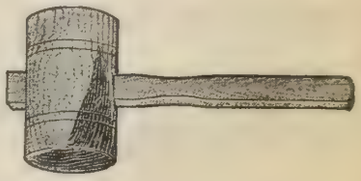
CARPENTERS' MALLETS



Square Hickory.

No. 8. List per dozen **17.50**

Head 6 inches long, face 2½ x 3½ inches; handle 10½ inches long; average weight per dozen, 16 pounds.
Open Stock.



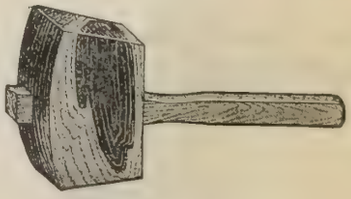
Round Lignum Vitae.

No. 5. List per dozen **24.20**

Head 5 inches long, face 3 inches diameter; handle 10½ inches long; average weight per dozen, 19 pounds.

No. 6. List per dozen **32.10**

Head 5½ inches long, face 3½ inches diameter; handle 13 inches long; average weight per dozen, 29¼ pounds.
Open Stock.



Square Lignum Vitae

No. 11. List per dozen **30.40**
Head 6 inches long, face 2½ x 3½ inches; handle 10½ inches long; average weight per dozen, 22 pounds.

No. 12. List per dozen **38.70**

Head 6½ inches long, face 2¾ x 3¾ inches; handle 13 inches long; average weight per dozen, 31 pounds.

No. 13. List per dozen **46.90**

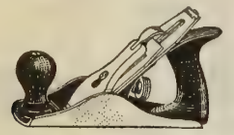
Head 7 inches long; face 3 x 4 inches; handle 13 inches long; average weight per dozen, 36¼ pounds.
Open Stock.

STANLEY AND SIEGLEY PLANES

Bench planes are divided into four classes: Smooth, Jack, Fore and Jointer. Smooth for finishing or smoothing off flat surfaces. Where the uneven spots are of slight area its short length will locate these and leave a smooth surface when finished. Jack, to true the edge of a board in the rough and prepare it for the Fore or Jointer. Fore is simply a short jointer and being lighter, is preferred by some workmen to a longer plane. Jointer, a finishing plane for large surfaces and invariably used to true up edges of boards so that they can be closely fitted or jointed together.

IRON BENCH PLANES

Japanned cast iron frame; tempered steel cutter; adjustable endwise and sidewise.



Smooth Planes; Smooth Bottom

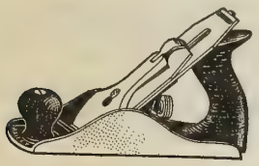
No. 2. "Stanley." List each **8.10**

7 inches long; 1⅝ inch cutter; average weight each, 2¼ pounds.

No. 3. "Stanley." List each **6.10**

No. 03. "Siegley." List each **5.64**

8 inches long; 1¾ inch cutter; average weight each, 3⅛ pounds.
1 in a box.



Smooth Planes; Smooth Bottom.

No. 4. "Stanley." List each **6.70**

No. 04. "Siegley." List each **6.20**

9 inches long; 2 inch cutter; average weight each, 3¾ pounds.

No. 4½. "Stanley." List each **7.70**

No. 04½. 'Siegley." List each **7.14**

10 inches long; 2⅜ inch cutter; average weight each, 4¾ pounds.
1 in a box.

Jack Planes, Smooth Bottom.

No. 5. "Stanley." List each **7.70**

No. 05. "Siegley." List each **7.14**

14 inches long; 2 inch cutter; average weight each, 4¾ pounds.

No. 5½. "Stanley." List each **8.70**

15 inches long; 2¼ inch cutter; average weight each, 6¾ pounds.
1 in a box.

IRON BENCH PLANES

Japanned cast iron frame; tempered steel cutter; adjustable endwise and sidewise.

Fore Planes, Smooth Bottom.

No. 6. "Stanley." List each **9.80**

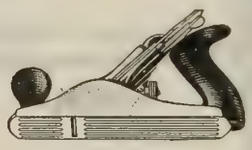
18 inches long; 2⅜ inch cutter; average weight each, 7¾ pounds.

Jointer Planes, Smooth Bottom.

No. 7. "Stanley." List each **11.30**

No. 07. "Siegley." List each **10.44**

22 inches long; 2⅜ inch cutter; average weight each 8⅛ pounds.
1 in a box.

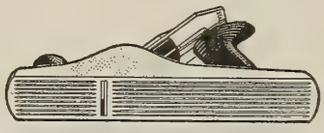


Smooth Planes, Corrugated Bottom.

No. 4C. "Stanley." List each **7.00**

No. 04C. "Siegley." List each **6.50**

9 inches long; 2 inch cutter; average weight each, 3¾ pounds.
1 in a box.



Jack Planes, Corrugated Bottom.

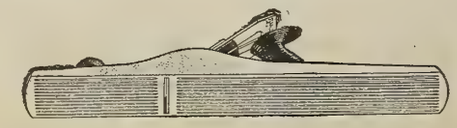
No. 5C. "Stanley." List each **8.10**

No. 05C. "Siegley." List each **7.50**

14 inches long; 2 inch cutter; average weight each, 4¾ pounds.

No. 5½C. "Stanley." List each **9.10**

15 inches long; 2¼ inch cutter; average weight each, 6¾ pounds.
1 in a box.



Fore Planes, Corrugated Bottom.

No. 6C. "Stanley." List each **10.30**

18 inches long; 2⅜ inch cutter; average weight each, 7¾ pounds.
1 in a box.

WOOD BENCH PLANES

Beechwood bottom, knob and handle; tempered steel cutter; adjustable endwise and sidewise.

Smooth.

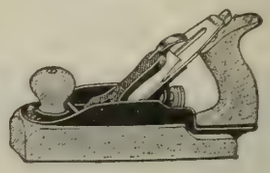
No. 24. "Stanley." List each **5.40**

9 inches long; 2 inch cutter; average weight each, 2⅞ pounds.

Block.

No. 25. "Stanley." List each **6.40**

9½ inches long; 1¾ inch cutter; average weight each, 2½ pounds.
1 in a box.

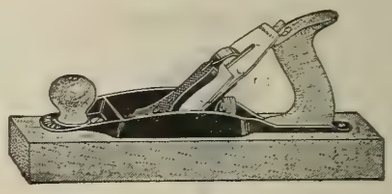


Handled, Smooth.

No. 35. "Stanley." List each **6.40**

No. 035. "Siegley." List each..... **5.90**

9 inches long; 2 inch cutter; average weight each, 3¼ pounds.
1 in a box.



Jack.

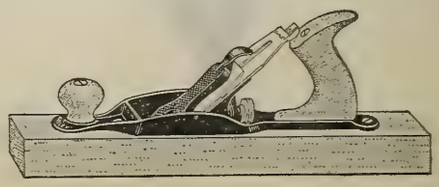
No. 26. "Stanley." List each **5.70**

No. 026. "Siegley." List each **5.30**

15 inches long; 2 inch cutter, average weight each, 4 pounds.

No. 027. "Siegley." List each **6.60**

15 inches long, 2¼ inch cutter; average weight each, 4¼ pounds.
1 in a package



Jointer

No. 32. "Stanley." List each **8.30**

26 inches long; 2⅝ inch cutter; average weight each, 7⅝ pounds.
1 in a package.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

IRON BENCH PLANES

"STANLEY."

Jointer Plane, Corrugated Bottom.

No. 7C. **"Bailey."** List each 11.90

22 inches long; 2⅜ inch cutter; average weight each, 8½ pounds.

1 in a box.

STANLEY AND SIEGLEY PLANES

IRON BLOCK PLANES

Japanned cast iron body and cap; tempered steel cutter.

No.0101. "Siegley." List each ..... .60

3½ inches long; 1 inch cutter; average weight each, ½ pound.

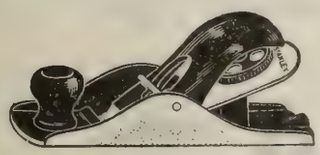
6 in a box.

No. 102. "Stanley." List each 1.28

No. 0102. "Siegley." List each 1.12

5½ inches long; 1⅜ inch cutter; average weight each ⅞ pounds.

1 in a box.



No. 110. "Stanley." List each 1.80

No. 0110. "Siegley." List each 1.56

7 inches long; 1⅝ inch cutter; average weight each 1⅜ pounds.

1 in a box.

No. 103. "Stanley." List each 1.80

No. 0103. "Siegley." List each 1.56

Adjustable.

5½ inches long; 1⅜ inch cutter; lever adjustment; average weight each, ⅞ pounds.

1 in a box.

No. 130. "Stanley." List each 2.60

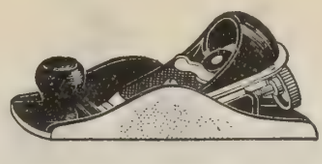
No. 0130. "Siegley." List each 2.28

8 inches long; 1⅝ inch cutter; has two slots and two cutter seats; may be used as a Bull-nose plane; hardwood knob; average weight each 1⅝ pounds.

1 in a box.

IRON BLOCK PLANES

Japanned iron body and cap; tempered steel cutter.



No. 220. "Stanley." List each 2.60

Adjustable.

7 inches long; 1⅝ inch cutter; screw adjustment; average weight each, 1½ lbs.

1 in a box.

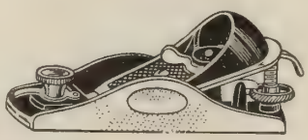
No. 9½. "Stanley." List each 3.50

No. 09½. "Siegley." List each 3.08

Adjustable.

6 inches long; 1⅝ inch cutter; adjustable throat; cutter rests at an angle of 20 degrees and is adjustable both endwise and sidewise; average weight each, 1½ lbs.

1 in a box.



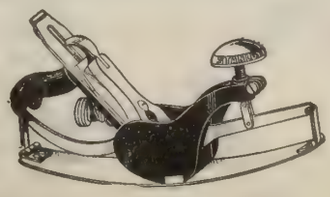
No. 15. "Stanley." List each 3.70

Adjustable.

7 inches long; 1⅝ inch cutter; adjustable throat; cutter rests at an agle of 20 degrees and is adjustable both endwise and sidewise; average weight each, 1⅝ lbs.

1 in a box.

CIRCULAR PLANES



No. 113. "Stanley." List each 11.40

Adjustable.

10 inches long; 1¾ inch cutter; japanned; flexible steel face; accurately adjustable by graduated scale for planing the inside or outside of circles; the cutter is adjustable endwise and sidewise; average weight each, 3½ pounds.

1 in a box.

BULL NOSE RABBET PLANES

No. 75. "Stanley." List each 1.10

4 inches long; 1 inch cutter; japanned top; polished bottom and blade, for working close up into corners or other difficult places; adjustable mouth; average weight each, ⅝ pound.

1 in a box.

HANDLED RABBET PLANES

"Stanley."

No. 192. List each 4.00
1 inch cutter; weight each 2 pounds.

No. 191. List each 4.20
1¼ inch cutter; weight each, 2¼ pounds.

No. 190. List each 4.50
1½ inch cutter; weight each, 2½ pounds.

With Spur.

Japanned iron stock and handle; polished face and edge; length 8 inches; this plane will lie flat on either side and can be used with right or left hand while planing into corners or up against perpendicular surfaces; fitted with a spur and a detachable depth gauge.

1 in a box.

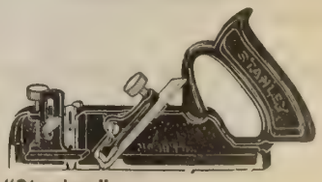
DUPLEX, FILLETSTER AND RABBET PLANES.

No. 78. "Stanley." List each 5.00

8½ inches long; 1½ inch cutter; japanned frame and handle; has two seats for the cutter, one for regular and the other for bull-nose work. Has a spur and removable depth gauge. The adjustable fence can be used on either side and slides under the bottom. To work as a rabbet plane, remove fence and arms; average weight each, 3 pounds.

1 in a box.

DADO PLANES



No. 39. "Stanley."

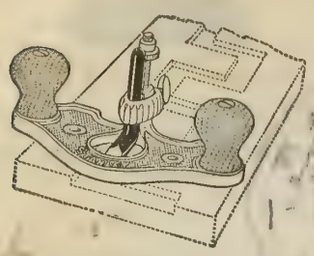
Cut, inches	½	⅞
List each	6.90	8.00
App. wt. each, lbs.	1¾	2¼

Japanned iron stock and handle; polished face and edge; skew cutter; adjustable depth gauge and two adjustable spurs; length 8 inches.

1 in a box.

STANLEY PLANES

ROUTER PLANES



"STANLEY."

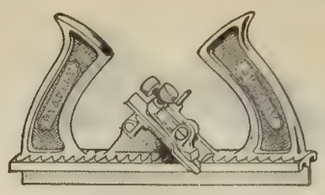
No. 71½. List each 6.80

Closed Throat.

Nickel plated cast iron frame and mountings; hardwood knobs; tool steel blade; 2 x 1⅝ inch opening; 7½ inches long; ¼ and ½ inch cutter and patented smoothing cutter with each plane; used for surfacing the bottom of grooves or other depressions parallel with the general surface of the work; average weight each, 2⅛ pounds.

1 in a box.

DOUBLE END MATCH PLANES



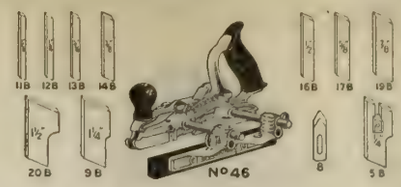
"STANLEY."

No. 148. List each 9.50

Cuts ¼ inch groove on boards ¾ to 1 inch; centres on ⅞ inch; has two separate cutters, a plow, and a tongue tool, both governed by one permanent fence. The tongue tool has one edge wider than the other, which overhangs one side when tonguing on centre. Both tongue and groove are cut by working the tool in the same direction by reversing it end for end. The plane is nickel plated and has iron handles cast with the body; average weight each, 2⅜ pounds.

1 in a box.

SKEW CUTTER COMBINATION PLANES



"STANLEY."

No. 46. List each 20.80

Plow, Dado, Filletster, Matching, Rabbet. With 11 Cutters.

This plane consists of a main stock carrying a spur, a depth gauge and a slitting cutter; a sliding section carrying a spur and forming an extra sole for the plane, and a fence (rosewood face) which can be set for plow or filletster work; all metal parts are nickel plated; rosewood handle and knob; length 10½ inches; average weight each, 5¾ pounds.

Cutters are as follows:—

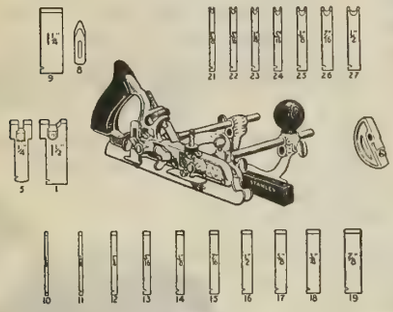
Plow and Dado 3/16, ¼, 5/16, 3/8, ½, ⅝, ⅞, and 1¼ inch.

Filletster—1½ inch.

Tonguing—¼ inch and slitting cutter.

1 in a box.

STANLEY "FORTY-FIVE" PLANE



No. 45. List each 25.10

Seven Tools in One With 22 Cutters

Adjustable Rabbet, Beading and Matching.

A tool in compact and practical form:—1, Beading and centre beading plane; 2, Plow; 3, Dado; 4, Rabbet and Filletster; 5, Match Plane; 6, Sash Plane; 7, Slitting Plane. The plane has two principal parts, main stock and a sliding section so arranged that cutters of different widths may be used. Each plane is fitted with an adjustable fence or guide, depth gauge and also with spurs for use across the grain and can be used either right or left hand. All metal parts are nickel plated; the handle, knob and fence are made of selected rosewood; average weight each, 9½ pounds.

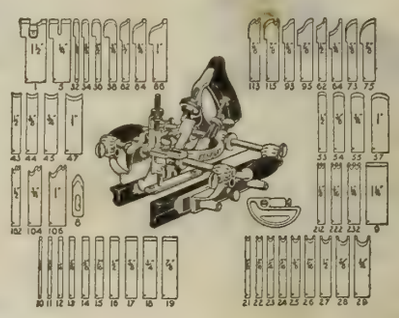
Cutters regularly supplied with plane:

No.	Size, inch	Tool Style
1	1 1/2	Sash
5	1/4	Match
8		Slitting
9	1 1/4	Filletster
10	1/8	Plow and Dado
11	3/16	
12	1/4	
13	5/16	
14	3/8	
15	7/16	
16	1/2	

No.	Size, inch	Tool Style
17	5/8	Plow and Dado
18	3/4	
18½	13/16	
19	7/8	
21	1/8	Beading
22	3/16	
23	1/4	
24	5/16	
25	3/8	
26	7/16	
27	1/2	

1 in a substantial box.

STANLEY "FIFTY-FIVE" PLANE



No. 55. List each 49.40

"Universal." With 53 Cutters.

This tool in addition to being a beading and centre beading plane, a plow, dado, rabbet, filletster, match, sash, and a slitting plane is also a superior moulding plane and will accommodate cutters of almost any shape and size. In fact, it is **"a planing mill within itself."**

It consists of:—

Main stock, which carries the cutter adjustment, handle, depth gauge, slitting gauge, and has a steel bottom forming or bearing for one edge of the cutter.

Sliding section with a vertically adjustable bottom.

Auxiliary centre bottom, used in front of the cutter as an extra support or stock when needed; it is adjustable for width or depth.

Fence "D" with lateral adjustment by means of screw, for extra fine work.

Fence "E" can be reversed for centre beading wide boards. These fences can be used on either side of the plane and the guides tilted to any angle up to 45 degrees.

All metal parts of the plane are nickel plated; the handle and fences are made of selected rosewood; the cutters are finely tempered and sharpened of high quality steel and every part is well finished.

Cutters regularly supplied with plane:

11 Plow and Dado	2 ¼ Hollow	3 Reverse Ogee
9 Beading	2 ¼ Round	2 Roman Ogee
4 Fluting	1 Sash	3 Grecian Ogee
4 Hollow	1 Match	2 ¼ Round with Bead
4 Round	1 Slitting	3 Reeding
	1 Filletster	2 Beads

1 in a substantial box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

WOOD PLANES

Monty.

First grade. Selected beech wood body; superior quality double cutters carefully tempered, ground and sharpened; accurately fitted wooden wedge.

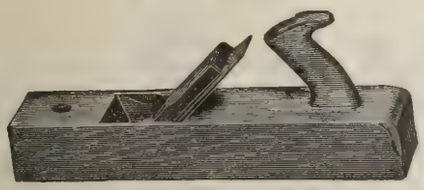
Smooth.

2⅛-inch cut. List each 3.50

Length 8 inches; double irons; average weight each 2¼ pounds.

2¼ inch cut. List each 3.70

Length 8 inches; double irons; average weight each 2¼ pounds.
Open Stock.



Jack.

2⅛-inch cut. List each 4.20

Length 16 inches; double irons; average weight each, 4¼ pounds.

2¼ inch cut. List each 4.30

Length 16 inches; double irons; average weight each, 4¾ pounds.
Open Stock.

PLANE HANDLES

"Stanley."

No. 4. List per dozen 8.80
For Nos. 4, 04, 4C Planes.

No. 5. List per dozen 8.80
For Nos. 5, 05, 5C, 05C Planes.

Highly finished, thoroughly seasoned rosewood bored for immediate use.
½ dozen in a box.

No. 10. List per dozen 2.40

For Wood Bench Planes.

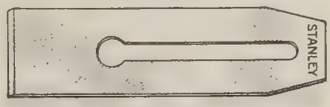
Plain finished beechwood; 4⅜ inches high, 5¼ inches long, ⅞ inches wide; average weight per dozen, 3⅝ pounds.
1 dozen in a package.

BLOCK PLANE CAPS

No. 102. List each ..... .22
For No. 102 Block Planes.

No. 103. List each ..... .22
For No. 103 Block Planes.
1 dozen in a box.

PLANE IRONS



"Stanley" Single.

1¾-inch. List each ..... .94
For Planes Nos. 3, 113, 25.

2-inch. List each 1.00
For Planes Nos. 4, 4C, 5, 5C, 24, 26, 35.

2⅛-inch. List each 1.08
For Planes Nos. 10, 10¼, 10½.

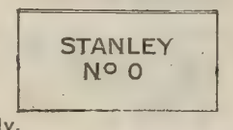
2¼-inch. List each 1.20
For Planes Nos. 5½, 5½C.

2⅜-inch. List each 1.22
For Planes, Nos. 4½, 6, 6C, 7.

2⅝-inch. List each 1.26
For Planes Nos. 32, 37.

Extra quality steel; perfectly tempered, ground and polished; for iron and wood bottom bench planes.
½ dozen in a box.

HAND SCRAPERS



No. 1. Shurly.

2½ x 3½ inches. List per dozen 2.40

3 x 4 inches. List per dozen 2.70
Fine steel blades carefully tempered; ground square.
1 dozen in a package.

No. 0, Stanley.

3 x 4 inches. List per dozen 7.80

3 x 5 inches. List per dozen 9.10

Made of the highest grade steel; great care is taken to give them the fine temper necessary for this work.
1 dozen in a box.

SCRAPER PLANES

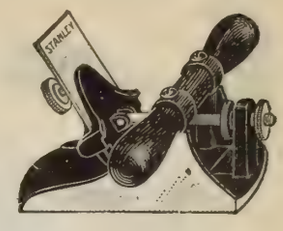
No. 112. "Stanley." List each 6.60

Single Handle, with Knob.

9 inches long; 3-inch blade; japanned; blades are adjustable endwise and for angle, and can be firmly locked in position desired; average weight each, 4 pounds.
1 in a box.

Extra Blades. List per dozen 8.80
For No. 112 Scraper Plane.
½ dozen in a box.

SCRAPER PLANES



No. 12. Stanley. List each 7.50

6¼ inches long; 3 inch blade; cast iron frame, polished face and sides; japanned inside; double grip rosewood handle; blade is adjustable endwise and for angle; average weight each, 3¾ pounds.
1 in a box.

Extra Blades. List per dozen 8.80

For No. 12 Scraper Plane.
½ dozen in a box.

CABINET SCRAPERS

"Stanley."

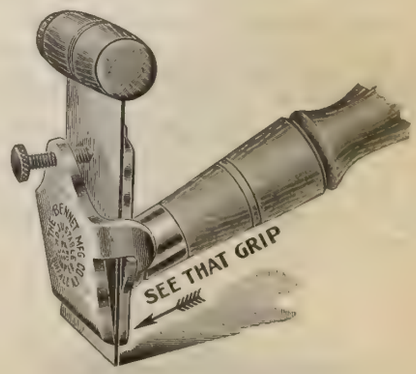
No. 80. List per dozen 26.80

Double Handle, Iron Bottom.

11 inches long; 2¾ inch blade; japanned; blade may be sprung to a slight curve by means of a thumb screw; handles are raised; body and handles cast in one piece. Average weight each, 1¾ pounds.
1/12 dozen in a box.

Extra Blades. List per dozen 5.50
For No. 80 Cabinet Scrapers.

Finest steel, carefully tempered and and ground.
1 dozen in a box.

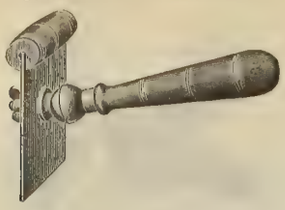


"Bennett." List per dozen 36.00

Improved Adjustable.

Polished steel scraper blade 3 x 5 inches; nickel plated front plate; japanned back plate; polished maple grip and 10-inch handle; steel ferrule; handle is readily adjusted to different angles; approximate weight per dozen, 15 pounds.
1/12 dozen in a box.

CABINET SCRAPERS



No. 194. List per dozen 38.40

"Starrett's" Adjustable.

High grade polished steel blade 2 15/16 x 4 9/16 inches; ground square at the ends giving 8 cutting edges; stained hardwood grip and 7-inch handle; with ball joint connection; handle adjustable to any angle; average weight per dozen, 15 pounds.

1/12 dozen in a box.

Extra Blades. List per dozen 6.00
For No. 194 Starrett's Universal Scrapers.

1 dozen in a box.

"Stanley."

No. 82. List per dozen 35.30

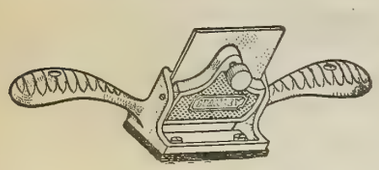
Single Handle, Adjustable.

14½ inches long; 3 inch blade; japanned cast iron frame and shank handle; hardwood handle and knob; handle can be tilted to give the blade any angle desired; average weight each 1¾ pounds.

1/12 dozen in a box.

Extra Blades. List per dozen 6.00
3 x 1½ inches, for No. 82 Cabinet Scrapers.

½ dozen in a box.



No. 81. "Stanley." List per dozen 44.60

Double Handle; Rosewood Bottom.

10 inches long; 2½ inch blade; nickel plated body and handles, cast in one piece; handles are raised and pierced; average weight each, 2¼ pounds.

1/12 dozen in a box.

Extra Blades. List per dozen 6.50
2½ x 4 inches. For No. 81 Cabinet scraper.

½ dozen in a box.

SPOKE SHAVES

No. 64. Stanley. List per dozen 5.20

Double Iron, Light.

9 inches long; 1¾ inch cutter of high grade steel; japanned iron frame; straight handles and bottom; cutter and japanned cap iron are fastened by thumb screw; average weight per dozen, 5½ pounds.

½ dozen in a box.

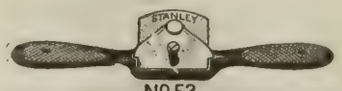
SPOKE SHAVES

No. 51. Stanley. List per dozen 8.90

Double Iron, Improved.

10 inches long; 2⅛ inch cutter of high grade steel; japanned iron frame; raised handles; cutter and cap iron fastened by thumb screw; adjustable; average weight per dozen, 7¾ pounds.

½ dozen in a box.



Nº 52

No. 52. Stanley. List per dozen 8.90

Double Iron, Adjustable.

10 inches long; 2⅛ inch steel cutter; japanned iron frame; straight handles; cutter and cap iron fastened by thumb screw; adjustable; average weight per dozen, 7¾ pounds.

½ dozen in a box.

No. 11. List per dozen 10.00

Single Cutter.

All iron, japanned; straight handles 9 inches over all; 1¾-inch polished steel cutter; average weight per dozen, 4½ pounds.

½ dozen in a box.

Nº 54

No. 54 Stanley. List per dozen 11.50

Adjustable Mouth.

10 inches long; 2⅛ inch steel cutter; japanned iron frame; straight handles; adjustable by thumb screw for fine or course work; average weight per dozen, 8¾ pounds.

½ dozen in a box.

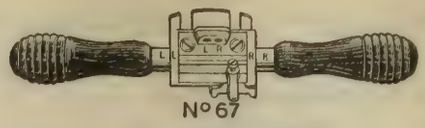
No. 13. List per dozen 22.80

Double Cutters.

All iron, japanned; straight handles, 10 inches over all; one 1¼-inch concaved cutter, one 1⅝-inch straight cutter of polished steel, average weight per dozen, 5½ pounds.

½ dozen in a box.

SPOKE SHAVES



Nº 67

No. 67. List per dozen 52.30

"Stanley" Universal.

Full nickel plated; grooved, detachable rosewood handles; length 9¼ inches; 1⅞ inch cutter; either handle can be screwed into the top of the stock; two detachable bottoms, one for straight, the other for circular work; average weight each, ¾ pounds.

1/12 dozen in a box.

SPOKE SHAVE IRONS

Extra Irons. List per dozen 2.90

For No. 51 Spoke Shaves.
Made from high grade steel well tempered and sharpened ready for use.

1 dozen in a box.

DRAW KNIVES

"PEXTO"

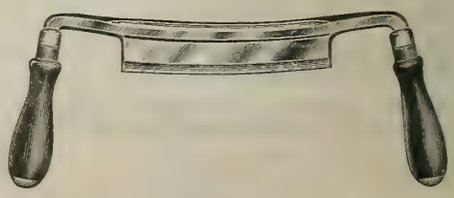
No. 4. List per dozen 20.00

Pony Draw Knife.

Width of blade ¾ inch.

Made from special solid crucible steel with full polished blade; round ebonized handles with heavy ferrules set at an angle of 45 degrees with blade; 10½ inches over all; blade 4 inches long; average weight per dozen, 3½ pounds.

1/2 dozen in a box.



Blade, ins.	8	9	10
List per dozen	42.50	44.50	48.00
App. wt. dozen, lbs.	13½	14	15

Carpenters Razor Blade, 1½ inches wide.

Forged from special crucible steel and Norway iron; highly polished blade; specially tempered and sharpened; stained hardwood handles fitted with heavy ferrules and metal caps.

½ dozen in a box.

SAMSON SAWS

HAND, PANEL AND RIP

No. 1200.	PANEL		
Blade, inches (length)	20	22	24
List per dozen	58.70	63.40	68.00
Points per inch	10,11,12.	10,11,12.	8,9,10
Av. wt. dozen, lbs.	16	17	18

No. 1200	HAND	RIP
Blade, inches (length)	26	26
List per dozen	72.90	72.90
Points per inch	7, 8, 9	5, 5½, 6
Av. wt. dozen, lbs.	25	25

1/3 dozen in a box.

Samson hand saws are manufactured from the very best steel that can be procured for the purpose; they are carefully tempered, true taper ground; thin, skew back; the teeth are hand filed and set, giving every tooth a fine point which makes for fast cutting and the whole blade is mirror finished with the Samson trade mark etched on it; the handles are of applewood, carved and polished and are firmly held by five improved brass screws in hand and rip saws, and three in the panel saws. Each saw is put up in a paper envelope.

1/3 dozen in a box.

In Ordering Please Specify Points Required

FULLY GUARANTEED

In ordering please specify points required.

Taylor Bros.

No. 10. Panel.

Blade, inches (length)	18	20	22	24
List per dozen	24.00	25.20	26.40	27.60
Points per inch	9, 10	9, 10	9, 10	7, 8
Av. wt. dozen, lbs.	12¾	14½	16½	21¼

1/3 dozen in a box.

No. 10. Hand.

Blade, inches (length)	26
List per dozen	28.80
Points per inch	7, 8
Av. weight dozen, lbs.	22

½ dozen in a box.

Straight Back.

Cast steel blade, glazed finish; carefully tempered, ground, set and sharpened; varnished beech handle; three plain brass screws.

"Leader" Panel.

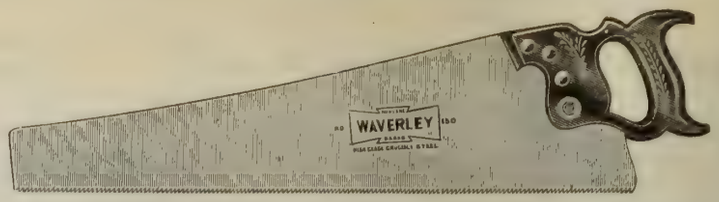
Blade, inches (length)	18	20	22	24
List per dozen	26.40	27.60	28.80	30.00
Points per inch	10	10, 11, 12	8, 9, 10, 11	7, 8, 9, 10
Av. wt. dozen, lbs.	13	13¾	15½	18½
Dozen in a box	1/3	½	1/3	½

"Leader."	Hand	Rip
Blade, inches (length)	26	26
List per dozen	31.20	31.20
Points per inch	6, 7, 8, 9	5, 5½, 6
Av. weight dozen, lbs.	21	21
Dozen in a box	⅓	½

Skew Back.

Silver steel blade, glazed finish; perfectly tempered, set and filed; varnished handle; three brass screws; a well finished household saw.

HAND, RIP AND PANEL SAWS



"WAVERLEY."

No. 150. Panel.

Blade, inches (length)	18	20	22	24
List per dozen	37.00	38.40	42.00	44.00
Points per inch	10, 11	9, 10, 11, 12	8, 9, 10, 11	7, 8, 9, 10
Av. wt. doz., lbs.	13	15	17	20

No. 150.	Hand.	Rip.
Blade, inches (length)	26	26
List per dozen	46.80	46.80
Points per inch	6, 7, 8, 9, 10	4½, 5, 5½, 6
Av. wt. dozen, lbs.	23	23

Skew Back.

Refined crucible steel blade; carefully ground and tempered; taper ground; hand filed and set; highly polished, and etched with Waverley trade mark; carved and polished applewood handles secured by four improved brass screws in hand and rip saws, three in panel saws.

⅓ dozen in a box.

THE VERY BEST VALUES OBTAINABLE AT THEIR RESPECTIVE PRICES

Disston.

No. D8. Panel.

Blade, inches (length)	20	22	24
List per dozen	66.60	71.60	76.80
Points per inch	10, 11, 12	10, 12	8, 9, 10, 11
Av. weight dozen, lbs.	14	16⅞	19¾

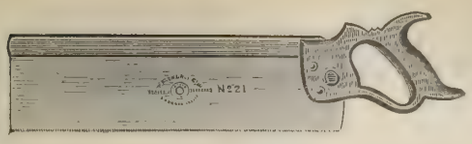
No. D8	Hand	Rip	Rip
Blade, inches (length)	26	26	28
List per dozen	80.70	80.70	92.10
Points per inch	6, 7, 8, 9, 11	4, 4½, 5, 6	4, 4½, 5, 6
Av. weight dozen, lbs.	24½	24½	28

Skew Back.

The original Skew Back Saw; "Disston-Made" spring steel blade, taper ground and well tempered; hand set and filed; polished and etched; "let in" applewood handle, nicely polished and fitted with improved brass screws.

⅓ dozen in a box.

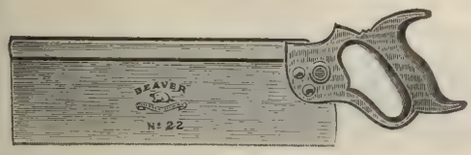
BACK SAWS



No. 2. Length, ins.	10	12	14
List per dozen	50.00	56.00	62.00
Depth of cut, ins.	2¾	3¼	3½
Points per inch	12	12	11
Av. wt. doz., lbs.	12	15¾	17

Best crucible spring steel blade carefully tempered, set and filed; blued steel back; varnished handle secured by brass screws.

⅓ dozen in a box.



No. 7. Length, ins.	8	12	14
List per dozen	30.20	42.40	48.40
Depth of cut, ins.	$2\frac{3}{16}$	3⅛	3½
Points per inch	14	11	11
Av. wt. doz., lbs.	8	16½	18
Doz. in a box	⅔	⅓	⅓

Cast steel blade, tempered, set and filed; glazed finish; polished steel back; varnished handle secured by three brass screws.

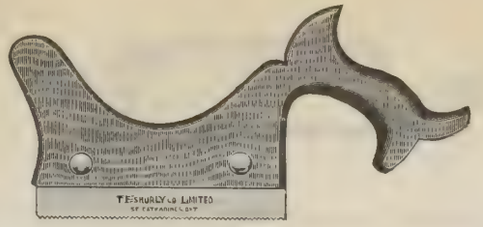
Disston's.

No. 4. Length, ins.	10	12	14
List per dozen	50.60	57.20	64.80
Depth of cut, ins	2½	3	3½
Points per inch.	15	14	13
Avt. wt. doz., lbs.	11½	15½	19¾

"Diston-Made" crucible steel blade; well tempered, carefully ground, set and filed; reinforced with blued steel back; applewood handle with varnished edges, fastened with three brass screws.

⅓ dozen in a box.

STAIR BUILDERS SAWS



No. 60. List per dozen 18.00

Adjustable.

6-inch fine steel blade, well tempered, set, filed and polished; 10 points to inch; one-piece varnished handle and back; blade is held by two brass screws and is adjustable in depth of cut from ½ to 1 inch; length over all 11¼ inches; average weight per dozen, 6¼ pounds.

½ dozen in a box.

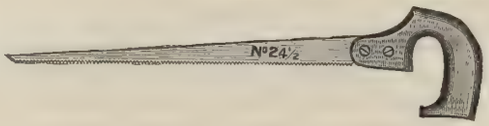
Disston's. List per dozen 21.10

Adjustable.

"Disston-Made" crucible steel blade, fine tempered, set and filed, 6 x 1⅝ inch, 20 gauge, 8 points; one-piece beechwood handle and back with varnished edges; blade is held by two brass screws and is adjustable for various depths of cuts; average weight per dozen, 9 pounds.

½ dozen in a box.

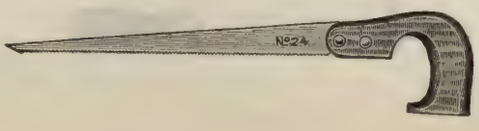
COMPASS SAWS



No. 3. Length, inches.	12	14
List per dozen	7.70	8.00
Points per inch	8	8
Av. wt. doz., lbs.	5	5½

Fine spring steel blade, carefully tempered, set and filed, glazed finish; varnished wood handle; nickel plated screws.

½ dozen in a box.

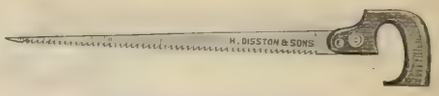


No. 19. Length, inches	12	14
List per dozen	8.40	9.00
Points per inch	8	8
Av. wt. doz., lbs.	6	6½

Best quality crucible spring steel blade, tempered, set and filed; glazed finish; beechwood handle with polished edges; brass screws.

½ dozen in a box.

COMPASS SAWS



Disston's.

No. 2. Length, inches	12	14
List per dozen	16.10	16.60
Points per inch	8	8
Av. wt. doz., lbs.	5¾	6¼

"Disston-Made" crucible spring steel blade, polished, fine tempered, set and filed; applewood handle with varnished edges; two brass screws.

½ dozen in a box.

NESTS OF SAWS

No. 25. List per dozen nests 30.00

Highest quality Chrome Vanadium steel blades, carefully tempered, set, filed and polished; carved and varnished beech handle; nickel plated lever tightener and screw.

Nest contains:—One 10-inch keyhole blade, one 14-inch compass blade, one 18-inch pruning blade, handle.

Average weight per dozen, 10½ pounds.

½ dozen sets in a box.

COMPASS SAW BLADES

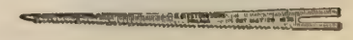
No. 20. Length, ins.	10	12	14	16
List per doz.	7.50	8.00	8.40	9.00
Points per inch	8	8	8	8
Av. wt. doz., lbs.	1¼	1¾	2	2½

Interchangeable

Fine crucible spring steel blade, well tempered, set and filed; slotted on end for insertion in handle.

1 dozen in a box.

KEYHOLE SAW BLADES



Disston's.

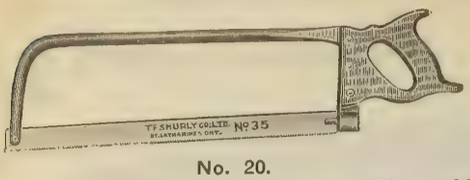
No. 3 x 10-inch. List per dozen 8.80

For No. 25 Nest of Saws.

"Disston-Made" crucible spring steel blade, fine tempered, set and filed; 10 points to inch; slotted on end for insertion in handle; average weight per dozen, ¾ pound.

1 dozen in a box.

BUTCHER SAWS



No. 20.

Length, inches	18	20	22	24
List per dozen	43.50	46.30	48.80	52.00
Points to inch	10	10	10	10
Av. wt. doz., lbs. ...	25	27	28½	30

Spring steel blade, 1⅛-inch wide, tempered, set, filed and plain polished; polished oval back ¾ x ⅜ inches; three brass screws; set screw adjustmant.

⅓ dozen in a box.

BUTCHER SAW BLADES

In 10 Foot Coils.

No. 46. 3/4-in. wide. List per coil 4.20

No. 46. 1-in. wide. List per coil 5.00

Finest blued clock spring steel; carefully set and sharpened; 10 points to inch; average weight per coil; ¾-inch, 9 ozs.; 1 inch, 12 ozs.

1 coil in a package.

In 50 Foot Coils.

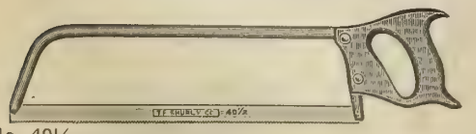
No. 46. 3/4-in. wide. List per coil 18.50

No. 46. 1-in. wide. List per coil 22.50

Finest blued clock spring steel; carefully set and sharpened; 10 points to inch; average weight per coil; ¾-inch, 3 lbs.; 1 inch, 4 lbs.

1 coil in a package.

KITCHEN SAWS



No. 40½.

16-inch. List per dozen 13.50

Polished oval steel back 1/4 x 7/16 inch; spring steel blade 16 x 1/2 inch, 10 points to inch; beech handle with polished edges; average weight per dozen, 11¼ pounds.

1/2 dozen in a box.

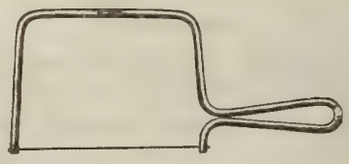
DE-HORNING SAWS

"Atkins." List per dozen 12.70

9½ x ¼-inch fine tempered crucible steel blade, polished, set and filed; 5/8 x 3/16 inch oval, malleable iron, japanned frame; beechwood handle with varnished edges securely rivetted to frame; thumb screw blade tightener; depth from back to blade 3⅝ inches; length over all 14½ inches; average weight per dozen, 12 pounds.

½ dozen in a box.

COPING SAWS



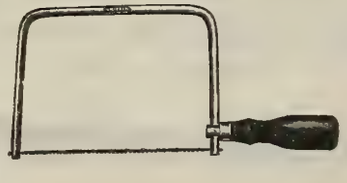
Griffin."

No. 100. List per dozen 6.80

All Steel.

6-inch blade; tinned, round spring steel frame and handle; depth of cut 4 inches; complete with one dozen extra, fine quality blades; average weight per dozen, 4 pounds.

1/2 dozen in a box.



"Griffin."

No. 110. List per dozen 9.60

Nickel plated, round spring steel wire frame; will hold blade in 4 different directions; black hardwood handle 3½ inches long; depth of cut 4 inches; complete with 1 dozen extra, 6-inch, bent end blades; average weight per dozen, 4 pounds.

1/2 dozen in a box.

COPING SAWS

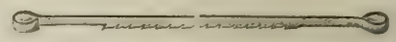
"MILLER'S FALLS."

No. 43. List per dozen 26.40

Stiff, nickel plated, flat spring steel frame; stained hardwood handle; blade is strained by turning the handle and may be locked in any desired direction; the direction of the blade is controlled by pins in the studs at either end, making it unnecessary to remove the blade; one No. 65 x 6½-inch blade with each frame; average weight per dozen, 6 pounds.

½ dozen in a box.

COPING SAW BLADES



"Griffin's."

6-inch. List per gross 4.40

Fine tempered blued steel; cut teeth; loop ends; for coping saws numbers 100, 110; average weight per gross, 6 ounces. 1 dozen in an envelope.

1 gross in a box.

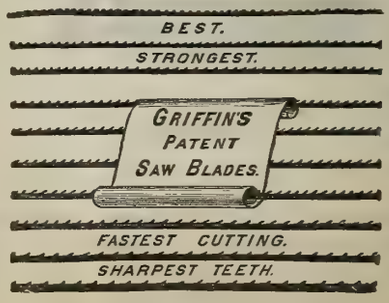
"MILLER'S FALLS"

No. 65. List per gross 12.00

6½ x 3/32 inches; with pins in the end for No. 43 Coping Saws and other frames taking 6½-inch blades; fine quality steel; tempered, filed and set; average weight per gross, 10 ozs.

1/12 gross in an envelope.

SCROLL AND BRACKET SAW BLADES



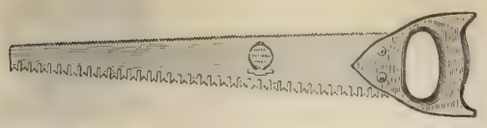
Griffin's."

No.	2	3	4	5	6
List per gross	3.50	3.50	3.70	3.70	3.70

5-inch blued steel; carefully tempered and slight set; No. 2 finest, No. 6 coarse; average weight per gross, 2 ounces.

1 gross in a box.

PRUNING SAWS



"SAMSON."

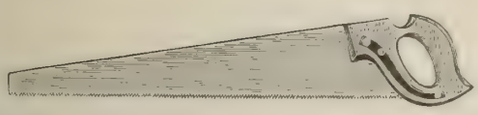
No. 170. List per dozen 18.50

Double Edge.

18-inch highest grade refined and polished spring steel blade, 19 gauge; quick cutting lance teeth on one edge and 8 point plain teeth on the other; beech handle with polished edges secured by two brass screws; a distinctly quality saw, unexcelled for service; average weight per dozen, 10¼ pounds.

½ dozen in a box.

FULLY GUARANTEED.

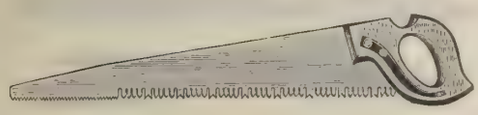


No. 154. List per dozen 22.00

Plain Tooth.

20-inch highest grade refined and polished spring razor steel blade; 7 teeth to inch, carefully set and filed; varnished beech handle strengthened by steel side plates; steel screws; average weight per dozen, 15 pounds.

½ dozen in a box.



No. 54. List per dozen 26.50

Lance Tooth.

20-inch, highest grade refined and polished spring razor steel blade; fine teeth for the first 6 inches, lance teeth for balance of cutting edge; taper point; carefully set and filed; varnished beech handle strengthened by steel side plates; steel screws; average weight per dozen, 15 pounds.

½ dozen in a box.

HACK SAW FRAMES

No. 2. List per dozen 10.80

Nickel plated, 3-piece steel frame 3/16 x 5/8 inch; adjustable for 8 to 12 inch blades; varnished hardwood handle; depth from inside of back to cutting edge of blade 3 inches; blade can be faced in four different directions; average weight per dozen, 12 pounds.

1/12 dozen in a box.

PISTOL GRIP.

No. 27. List per dozen 42.00

Nickel plated and polished 3-piece steel frame 3/16 x 11/16 inch; positive lock adjustment; adjustable for 8 to 12 inch blades; polished black composition pistol grip handle; depth from inside of back to cutting edge of blade 3¼ inches; blade can be faced in four different directions; thumb screw blade tightener; average weight per dozen, 19½ pounds.

1/12 dozen in a box.

HACK SAW FRAMES

"MILLER'S FALLS."

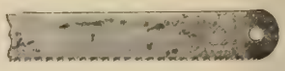
No. 10. List per dozen 60.00

Star Extension.

Nickel plated steel two-piece frame 11/16 inch wide 3/16 inch thick; stiff, strong back quickly adjustable for blades 8 to 12 inches; blades are strained by turn of cocobolo handle and are faceable in four directions; depth under back 2⅜ inches; one 10-inch blade in each frame; average weight per dozen, 15¾ pounds.

1/12 dozen in a box.

HACK SAW BLADES



"STARRETT."

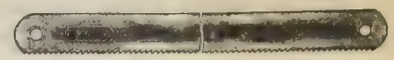
No. S260.

Length, ins.	8	9	10	12
List per gross	12.50	15.00	16.20	19.80
Points to inch	15	15	15	15
Width, inches	7/16	7/16	1/2	1/2
App. wt. per gross	3	3¾	4½	5½

For Hand Frames.

Good quality tool steel; natural finish; well tempered, set and sharpened; 1/12 gross in a bundle.

½ gross in a box.



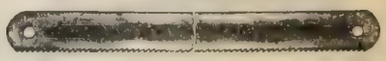
"STAR."

No.	818	918	1018	1218
List per gross	15.50	17.50	19.20	23.00
Length, ins.	8	9	10	12
Wt. gross, lbs.	3½	4	5	6¼

Hard—18 Tooth.

Greater percentage tungsten steel; 23 gauge; natural finish; carefully tempered, set and sharpened.

½ gross in a box.



"STAR."

No.	824	924	1024	1224
List gross	15.50	17.50	19.20	23.50
Length, inches	8	9	10	12
Wt. gross, lbs.	3½	4	5	6¼

Hard—24 Tooth.

Greater percentage tungsten steel; 23 gauge; natural finish; carefully tempered, set and sharpened.

½ gross in a box

"STARRETT."

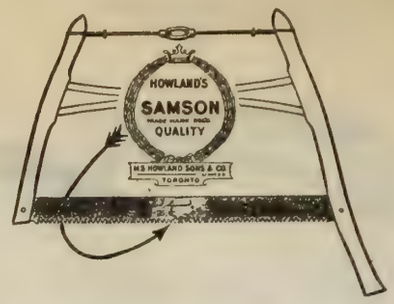
No. 112.

12-inch. List per gross 35.60

For Light Power or Hand Frames.

Finest grade steel; natural finish; well tempered, set and sharpened; width ⅝ inches; 18 points to inch; average weight per gross, 6 pounds; 1/12 gross in a bundle.

½ gross in a box.



"SAMSON" BUCK SAWS

No. 100. List per dozen **40.60**

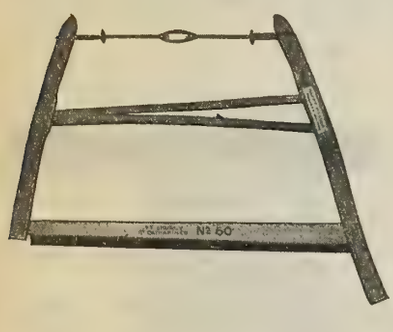
Improved Racer Tooth Blade.

Extra quality refined steel blade 30 x 2¼ inches, full polished and etched; carefully tempered, set and filed, very fast cutting; the frame is made from selected wood and is strongly braced; the long and short ends are enamelled blue, the cross bar yellow; 22-inch heavy clipper rod; rivetted double brace; average weight per dozen, 50 pounds.

½ dozen in a box.

FULLY GUARANTEED

BUCK SAWS



"HAPPY MEDIUM."

No. 1. List per dozen **30.00**

Plain Tooth, Tapered Blade.

30 x 2 x 1 inch fine quality steel blade; red painted hardwood frame; patent rivetted double brace; 22-inch plain clipper rod; average weight per dozen, 50 pounds.

½ dozen in a box.

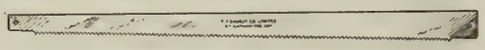
No. 2. List per dozen **32.50**

Lance Tooth, Straight Blade.

30 x 2 inch fine quality steel blade; red painted hardwood frame; patent rivetted double brace; 22-inch plain clipper rod; average weight per dozen, 50 pounds.

½ dozen in a box.

BUCK SAW BLADES

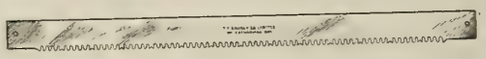


Plain Tooth. List per dozen **14.00**

Tapered.

Fine quality steel blade 30 x 2 x 1-inch tapered; straw finish; 4 points to inch; carefully tempered, set and filed; average weight per dozen, 7 pounds.

1 dozen in a package.



Lance Tooth. List per dozen **15.20**

Fine quality polished steel blade 30 x 2-inches; well tempered, set and filed; straight blade; average weight per dozen, 7 pounds.

1 dozen in a package.

"SAMSON."

No. 100. List per dozen **20.80**

Improved Racer Tooth.

Extra quality refined steel 30 x 2¼ inches; carefully tempered, set and filed; full polished and etched; fast cutting; for No. 100 Samson Buck saws; average weight per dozen, 7 pounds.

1 dozen in a package.

WOOD OR BUCK SAW RODS

"DISSTON'S."

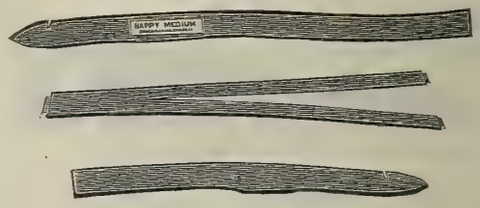
22-inch. List per dozen **5.20**

Clipper.

Bright steel wire with strong, square cut threads; cast iron turn-buckle; loops rivetted with strong heavy heads; average weight per dozen, 5 pounds.

1 dozen in a box.

BUCK SAW FRAMES



Happy Medium Parts Only.

Short Ends. List per dozen **2.70**
Av. wt. per dozen, 9 pounds.

Long Ends. List per dozen **2.80**
Av. wt. per dozen, 12 pounds.

Centre Braces. List per dozen **3.90**
Av. wt. per dozen, 7½ pounds.

Red painted hardwood; patent brace.
Open Stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

CROSS CUT SAWS

"SIMONDS."

No. 13 Special; Straight Back; Tuttle Tooth.

Length, feet	5	5½
List each (without handles)	11.00	12.50
Width at centre, inches	6	6½
Width at ends, inches	3⅛	3¼
Average weight each, pounds	5¼	6

Hardwood Pattern; Crescent Ground.

15 gauge on tooth edge; 21 gauge at centre of back; 17 gauge at ends of back.

Open stock.

NOTE:—This replaces No. 13 Regular.

CROSS CUT SAWS

"ARROW HEAD."

Made from the highest grade Vanadium Steel; takes a high temper and will hold a cutting edge longer than other steels. Arrow Head Saws are carefully and evenly tempered; thoroughly ground and filed; full polished and etched; every saw is closely tested and inspected; fast cutting and easy running.

Wood stripped on cutting edge.

No. 442. Wide, Straight Back; Perforated Lance Tooth.

Length, feet	5	5½
List each (without handles)	11.00	12.50
Width at centre, inches	5¾	6
Width at ends, inches	3½	3½
Av. wt. each, pounds	5¼	6¼

14-gauge on tooth edge; 19 gauge at centre of back edge; 15-gauge at ends of back.

Open Stock.

No. 455. Wide, Straight Back; Tuttle Tooth.

Length, feet	5½
List each, (without handles)	12.50
Width at centre, inches	6
Width at ends, inches	3½
Average weight each, pounds	6¼

14 gauge on tooth edge; 19 gauge at centre of back edge; 15 gauge at ends of back.

Open Stock.

No. 445. Straight Back, Two Cutting and Two Drag Teeth.

Length, feet	5	5½
List each, (without handles)	11.00	12.50
Width at centre, inches	5¾	6
Width at ends, inches	3½	3½
Average weight each, pounds	5½	6

14-gauge on tooth edge; 19 gauge at centre of back edge; 15 gauge at ends of back.

Open Stock.

No. 440. Narrow, Hollow Back; Perforated Lance Tooth.

Length, feet	5	5½
List each (without handles)	11.00	12.50
Width at centre, inches	4¾	4½
Width at ends, inches	3⅜	3⅜
Average weight each, pounds	5	6

14-gauge on tooth edge; 17-gauge at centre of back edge; 15-gauge at ends of back.

Open Stock.

"SIMONDS."

Made of the finest specially close grained saw steel; finely tempered; perfect taper ground; hand set and filed; polished and etched; they are easy and fast cutting; protected by wood strip on cutting edge.

No. 13. Regular Width, Straight Back; Tuttle Tooth.

Length, feet	5	5½
List each (without handles)	11.00	12.50
Width at centre, inches	5¾	6¼
Width at ends, inches	3	3
Average weight each, pounds	5¼	6

Hardwood Pattern; Crescent Ground.

14-gauge on tooth edge; 19-gauge at centre of back; 16 gauge at ends of back.

Open Stock.

No. 22. Regular Width, Straight Back; Perforated Lance Tooth.

Length, feet	5	5½
List each (without handles)	11.00	12.50
Width at centre, inches	5¾	6¼
Width at ends, inches	3¼	3¼
Average weight, each, pounds	5¼	6

Softwood Pattern. Crescent Ground.

14-gauge on tooth edge; 19-gauge at centre of back; 16-gauge at ends of back.

Open Stock.

No. 315. Narrow, Hollow Back; Tuttle Tooth.

Length, feet	5
List each (without handles)	11.00
Width at centre, inches	4½
Width at ends, inches	3
Average weight each, pounds	4½

Crescent Ground.

14-gauge on tooth edge; 17-gauge at centre of back; 15-gauge at ends of back.

Open Stock.

No. 325. Narrow, Hollow Back; Perforated Lance Tooth.

Length, feet	5	5½
List each (without handles)	11.00	12.50
Width at centre, inches	4¼	4¼
Width at ends, inches	3	3
Average weight each, pounds	4½	5

Crescent Ground.

14-gauge on tooth edge; 17-gauge at centre of back; 15-gauge at ends of back.

Open Stock.

CROSS CUT SAWS

SHURLY DIETRICH CO., Limited.

Made from extra refined razor steel, specially tempered, They are carefully taper ground, set and filed ready for use; full polished and etched; fast cutting.

Wood stripped on cutting edge.

No. 3 LANCE.

Wide, Bevelled Back; Perforated Lance Tooth.

Length, feet	5	5½
List each (without handles)	9.00	9.90
Width at centre, inches	5⅞	6½
Width at ends, inches	3	3½
Average weight each, pounds	5	6½

14-gauge on tooth edge; 16½-gauge at centre of back; 17-gauge at ends of back.

Open Stock.

No. 1 LANCE.

Wide, Bevelled Back; Perforated Lance Tooth.

Length, feet	5	5½
List each (without handles)	11.00	12.50
Width at centre, inches	6¼	6½
Width at ends, inches	3¼	3¼
Average weight each, pounds	5½	6½

14-gauge on tooth edge; 18-gauge at centre of back; 16-gauge at ends of back.

Open Stock.

No. 55. IMPROVED NARROW RACER.

Medium Wide, Straight Back; Perforated Lance Tooth.

Length, feet	5	5½
List each (without handles)	11.00	12.50
Width at centre, inches	5½	5⅝
Width at ends, inches	3¼	3¼
Average weight each, pounds	5¼	5¾

14-gauge on tooth edge; 17-gauge at centre of back; 16-gauge at ends of back.

Open Stock.

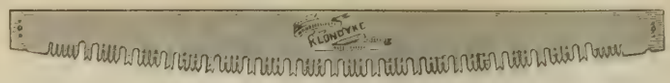
No. 66. NEW "IMPROVED RACER."

Wide, Straight Back; Perforated Lance Tooth.

Length, feet	5	5½	6
List each (without handles)	11.00	12.50	14.50
Width at centre, inches	5⅝	6⅜	6⅞
Width at ends, inches	3¼	3¼	3¼
Average weight each, pounds	4¾	6½	7½

14-gauge on tooth edge; 17-gauge at centre of back; 16-gauge at ends of back.

Open Stock.



"KLONDYKE"—WIDE.

Wide, Straight Back; Perforated Lance Tooth.

Length, feet	5	5½
List each (without handles)	8.00	8.80
Width at centre, inches	5¾	6
Width at ends, inches	3½	3½
Average weight each, pounds	5	5¾

High grade crucible steel; well tempered; carefully ground and sharpened; polished and etched; 14-16 gauge; wood stripped on cutting edge.

Open Stock.

"KLONDYKE"—NARROW.

Narrow, Hollow Back; Perforated Lance Tooth.

Length, feet	5	5½
List each (without handles)	8.00	8.80
Width at centre, inches	4⅝	4⅝
Width at ends, inches	3½	3½
Average weight each, pounds	4½	5¾

High grade crucible steel; well tempered; carefully ground and sharpened; polished and etched; 14-15 gauge; wood stripped on cutting edges.

Open Stock.

No. 453. NEW IMPROVED CHAMPION.

Wide, Straight Back; 4 Cutting and 1 Drag Tooth.

Length, feet	5	5½
List each (without handles)	8.20	8.70
Width at centre, inches	5 7/8	5 7/8
Width at ends, inches	2 7/8	3 5/8
Av. wt. each, pounds	4 3/4	6

High grade steel; specially tempered; carefully ground, set and filed; quick cutting; 15-gauge on tooth edge; 16-gauge at centre of back; 17-gauge at ends of back; wood stripped on cutting edge.

Open Stock

"PREMIER."

Wide, Straight Back; 2 Cutting, and 1 Drag Tooth.

Length, feet	5½
List each (without handles)	12.50
Width at centre, inches	6⅞
Width at ends, inches	3¼
Average weight each, pounds	6½

Shurly-Dietrich Co.

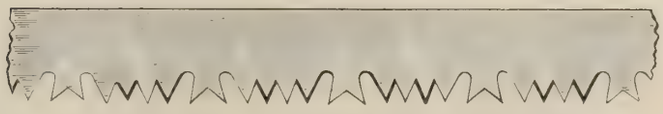
High quality razor steel; carefully tempered, ground, set and filed.

14-gauge on tooth edge; 17-gauge at centre of back; 16½ gauge at ends of back.

Open Stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

WEBB SAWS



"SWEDISH"

No. 132 x 4 ft. List per dozen 25.20

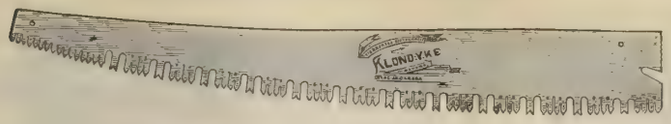
Sandviken; Hook and Fish Brand.

For Steel or Wood Bow Frames.

Unexcelled in quality, temper, flexibility and finish; length over all, 48 inches; length of cut, 44 inches; width, 1½ inches; extra thin back, 6 and 4 gauges thinner than the cutting edge; tuttle tooth; straw color finish; average weight per dozen, 4 pounds.

1/2 dozen in a box.

ONE MAN CROSS CUT SAWS



"KLONDYKE."

Sway Back; Perforated Lance Tooth.

Length, feet	4	4½
List each (without handles)	6.50	7.30
Average weight each, pounds	4¾	5¾

Crucible steel blade; well tempered; carefully ground and sharpened; polished and etched; 14-gauge on tooth edge; 16-gauge on back; punched at both ends; wood stripped on cutting edge.

Open Stock.

No. 222. SIMONDS.

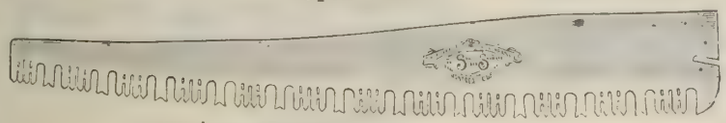
Straight Back; Perforated Lance Tooth.

Length, feet	4	4½
List each (without handles)	6.40	7.20
Average weight each, pounds	4¾	5½

Straight Ground.

Finest grade saw steel; perfectly tempered, ground, set and sharpened; full polished and etched; drilled for handles; 15-gauge on tooth edge; 16-gauge on back; wood stripped on cutting edge.

Open Stock.



No. 237. SIMONDS.

Sway Back; Perforated Lance Tooth.

Length, feet	4	4½
List each (without handles)	6.40	7.20
Average weight each, pounds	4¾	5½

Straight Ground.

Finest grade saw steel; perfectly tempered, ground, set and sharpened; full polished and etched; drilled for handles; 15-gauge on tooth edge; 16-gauge on back; wood stripped on cutting edge.

Open Stock.

No. 1 LANCE.

Sway Back; Perforated Lance Tooth.

Length, feet	4	4½
List each (without handles)	9.70	10.70
Average weight each, pounds	5	6½

Made of special quality razor steel; true ground; fine tempered; set and sharpened ready for use; full polished and etched; drilled for handles at both ends; 15-gauge; wood stripped on cutting edge.

Open Stock.

ICE SAWS

Length, feet	5	5½	6
List each (without handle)	9.00	9.90	10.80
Average weight each, pounds	8	12	13

Deep Common Tooth.

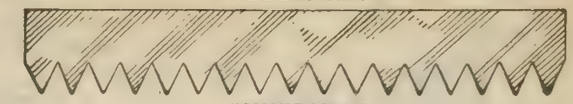
11-gauge Vanadium steel blade; carefully and evenly tempered, ground and filed; width at butt, 7 inches; width at point, 5 inches.

Open Stock.

Tiller Handles. List each 5.00

See page 116 for illustration.

WEBB SAWS



"SWEDISH."

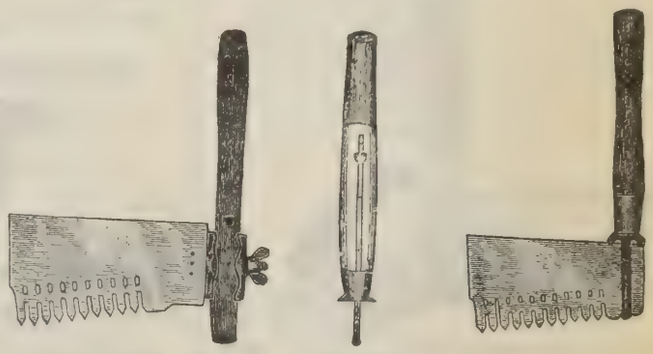
Nos.	2
List per dozen	27.60
Length over all	48
Width, inches	2
App. wt. doz., pounds	3⅞

Sandviken; Hook and Fish Brand.
For Steel or Wood Bow Frames.

Superior steel; unexcelled in quality, temper, flexibility and finish; length of cut, 44 inches; extra thin back; thinner on the back than on cutting edge; straight V-tooth; straw color finish.

1/2 dozen in a package.

CROSS CUT SAW HANDLES



Nos. 60 and 6½. Gatineau No. 3.

No. 60. Solid Pin. List per dozen pairs 10.10

No. 6½. Loose Pin. List per dozen pairs 10.10
13½-inch Ash handle; malleable iron bolt, plates and thumb nut; average weight per dozen pairs, 18 pounds.

"Gatineau." List per dozen pairs 14.40
11-inch smooth hardwood handle; 4-inch heavy malleable iron loop; heavy malleable iron winged ferrule; inside nut to secure the loop; flat iron washer; average weight per dozen pairs, 21 pounds.

No. 3. Steel Loop. List per dozen pairs 13.20
Ash handle 10 inches long; 4-inch loop; bright steel ferrule; malleable iron winged washer and inside nut to hold the loop; average weight per dozen pairs, 16½ pounds.

No. 5 Boynton No. 6

No. 5. List per single dozen 16.00
11-inch Ash handle; 4-inch electric welded steel loop; malleable one-piece bracket and socket; 3½-inch arm; average weight per dozen, 12 pounds.

"Boynton." List per dozen pairs 20.40
10½-inch Ash handle; 4½-inch malleable loop; steel bolt, ferrule and flat washer; loop is secured to the bolt which extends the whole length of the handle; average weight per dozen pairs, 19½ pounds.

No. 6. "Simonds." List per dozen pairs 18.50
9½-inch hardwood handle; 4-inch heavy malleable iron loop; 3¼ inch ferrule threaded on the inside into which the loop is screwed; average weight per dozen pairs, 25 pounds.

All Open Stock.

CROSS CUT SAW HANDLES

No. 20. List per dozen pairs 23.70

11-inch maple handle, stained; re-inforced with steel plates rivetted on each side; malleable iron draw pin and thumb nut; average weight per dozen pairs, 24 lbs.

Open Stock.

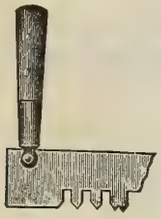
"Lion." List per single dozen 12.00

For One or Two Man Saws.

8-inch Ash handle; 4-inch wrought iron, electric welded loop; bright steel ferrule; malleable inside nut.

Supplementary Handle:—4½-inch Ash; bright steel ferrule; malleable shank extending the whole length; average weight per dozen, 10½ pounds.

Open Stock.



No. 13. List per single dozen 6.00

Supplementary.

5-inch hardwood handle; extended steel ferrule; steel winged washer; inside nut to secure the loop; 1⅛ inch loop with loose pin; average weight per dozen, 3¾ pounds.

Open Stock.

ICE SAW HANDLES

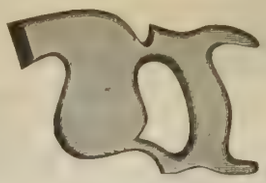
Tiller. See page 115 for price ... ...

Japanned, malleable iron handle; 16-inch hardwood hand bar; average weight per dozen, 40 pounds.

Open Stock.

HAND SAW HANDLES

Well seasoned wood; slit for saw blade; perfect shape.



No. 4. List per dozen 8.00
Panel; plain beech; varnished edges; average weight dozen, 4½ pounds.

No. 3. List per dozen 5.50
Hand; plain beech; unvarnished; app. weight per dozen, 5½ pounds.

No. 2. List per dozen 5.80
Hand; plain beech; varnished edges; app. wt. dozen, 5¾ pounds.
1 dozen in a box.

"DISSTON'S."

No. D8-26. List per dozen 17.40
Bored.
Applewood; varnished edges; slit for blade; bored for screws; for 26-inch hand saw; average weight per dozen, 6¾ pounds.
1 dozen in a box.

COMPASS SAW HANDLES

"DISSTON'S."

No. 3. List per dozen 5.60
For No. 3 Nest of Saws.
Plain beech; varnished edges; lever blade tightener; average weight per dozen, 4 pounds.
1 dozen in a box.

SAW SCREWS

No. 901. No. 902. No. 903.

No. 901. List per dozen 1.10
Large head; 10/16 inches diameter, oval face; shank 7/16 inches long.

No. 902. List per dozen 1.10
Small countersunk head; 1/2 inch diameter; oval face; shank 11/16 inch long.

No. 903. List per dozen 1.60
General label; embossed head; 13/16-inch diameter; flat face; shank 3/4 inch long.
All Wrought Brass; Polished.
Open stock.

SET GAUGES

No. 2. List per dozen 1.60

Natural finish malleable iron 3½ x 1½ inches; for insuring accurate set in cross cut saws; average weight per dozen, 1½ pounds.

Open Stock.

CROSS CUT SAW HAMMERS

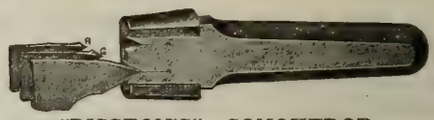
"SIMONDS."

"Crescent." List per dozen 12.80

Drop forged steel head and shank; black japanned with polished faces; steel ferrule; varnished hardwood handle 4 inches long; length over all 7½ inches; head 2⅜ inches; average weight per dozen, 6 pounds.

1/6 dozen in a box.

SAW SWAGES



"DISSTON'S"—CONQUEROR.

No. 2. List each 10.50

For Small Circular and Mill Saws Not Heavier Than 10 Gauge.

Forged steel body, 3½-inches long with natural finish edges, polished sides; inserted crucible steel, hardened and polished jaws; blued steel sleeve; slotted bottom prevents blunting or injuring the fine cutting edge of the tooth; average weight each, 7 oz.
1 in a box.

SAW SETS.

WYNN AND TIMMINS.

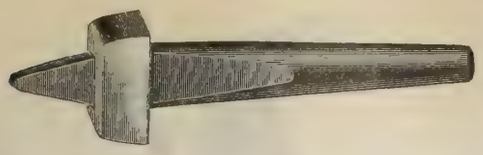
No. C.413. List per dozen 6.50

6-slots, two each 15, 17, 18 gauges; length over all 5 inches; highest grade English steel, full polished; tapered handle; average weight per dozen, 2 pounds.
1 dozen in a package.

No. C.415. List per dozen 7.50

8-slots, two each 14, 15, 18 and 20 gauges; length over all 6⅝ inches; highest grade English steel, full polished; tapered handle; average weight per dozen, 4 lbs.
1 dozen in a package.

SAW SETS



Whiting. List per dozen 14.70

For Cross Cut Saws.

Two-piece polished solid steel; hardened point and block; one slot for setting saws to cut hardwood and one for soft wood; length over all 4⅜ inches; average weight per dozen, 3¼ pounds.

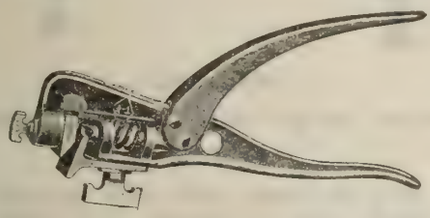
1 dozen in a box.

Lincoln. List per dozen 14.60

For Most Styles of Teeth.

Polished drop forged steel; hardened point and block; notched for eight kinds of teeth; sets point only; length 4 inches; average weight per dozen, 4½ pounds.

1/12 dozen in a carton.



PERFECT

No. 3. List per dozen 36.00

For Single Tooth Cross Cut and Small Circular Saws 14 to 20 Gauge.

Japanned heavy cast iron frame; polished nose, sliding gauge and set screws; hardened steel sliding gauge and adjustable anvil regulated by thumb screw; tempered, heavy coil spring; length over all 10½ inches; average weight per dozen, 18 pounds.

½ dozen in a box.

"BOKER."

No. 4310. List per dozen 11.00

For Pit Saws.

High grade forged steel; polished blade with six slots; 8 to 20 gauge; with sliding gauge and thumb screw stop; tempered screw driver handle; natural finish; length over all, 8 inches; average weight per dozen, 4½ pounds.

1/2 dozen in a box.

SAW SETS

No. 1431. List per dozen 13.00

For Pit Saws.

Polished forged steel blade with six slots; 8 to 20 gauge; with sliding gauge and thumb screw stop; tempered screw driver bit handle; length over all, 8¼ inches; average weight per dozen, 6½ pounds.

1/12 dozen in a box.

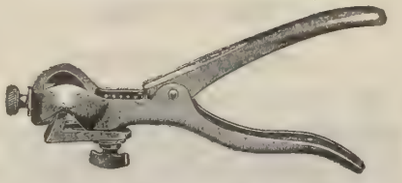
WYNN AND TIMMINS

No. C.448. List per dozen 32.00

For Pit Saws.

Polished forged steel blade 4½ inches long with six slots; 8, 9, 13, 15, 17 and 20 gauge; sliding gauge and thumb screw stop; length over all, 9 inches; average weight per dozen, 7 pounds.

½ dozen in a package.



MORRILL PATTERN

No. 100. List per dozen 13.50

For Hand, Back and Small Saws.

Polished malleable iron frame; tool steel plunger and anvil; piano wire spring; sliding bevel gauge regulated by thumb screw; adjustable jaw controlled by knurled set screw in head; length over all, 6½ inches; average weight per dozen, 6 pounds.

½ dozen in a box.

PERFECT

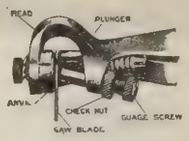
No. 1. List per dozen 17.30

For Hand, and Small Saws.

Polished malleable iron head and handles; hardened steel anvil and plunger; tempered coil spring; sliding gauge; length over all, 6½ inches; average weight per dozen, 6 pounds.

1/12 dozen in a box.

SAW SETS



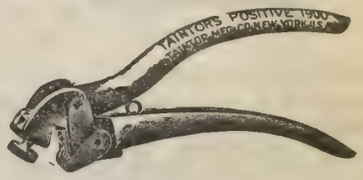
STEARNS

No. 495. List per dozen 32.60

For Hand and Buck Saws; with 4 to 16 teeth to the inch.

Malleable iron frame; gun metal finish; hardened tool steel anvil and plunger; knurled steel gauge screw; steel wire coil spring; easy and powerful in action; length 7 inches; approximate weight per dozen, 8¾ pounds.

½ dozen in a box.



TAINTOR'S POSITIVE

No. 7. List per dozen 30.00

For Hand and other Fine Tooth Saws.

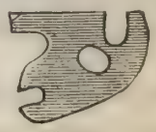
Heavy stamped head and handles, nickel plated and polished; hardened revolving anvil and plunger; steel spring; anvil has ten different pitches for saws from 3 to 12 points, regulated by set screw; length over all 6 inches; average weight per dozen, 6½ pounds.

½ dozen in a box.

SAW SET PARTS.

For No. 7 Taintor's Saw Sets.

Anvils. List per dozen 3.60

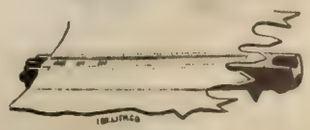


Plunger

Plungers. List per dozen 2.40

Open Stock.

SETTING STAKES

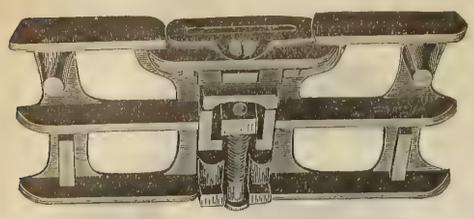


"Simonds". List per dozen 4.00

Malleable iron, 7 inches long, 3/4 inches wide; used for setting saw teeth; average weight per dozen, 7½ pounds.

Open stock.

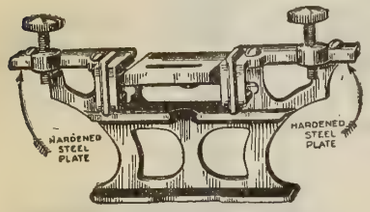
SAW JOINTERS



Champion. List per dozen sets 5.60

Natural finish malleable iron frame; 5¼ x 2¼ inches; steel sliding stop; adjustable top plate; combination tool, used for side filing; raker tooth gauging and jointing; average weight per dozen, 6¼ pounds.

1 dozen in a box.



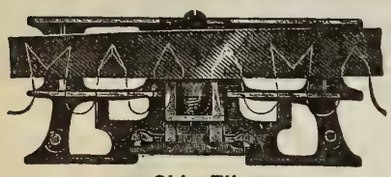
"SIMOND'S."

"Crescent." List per dozen 21.60

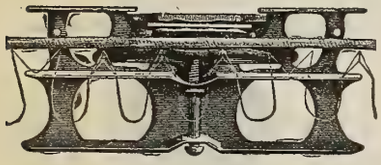
Malleable iron frame 5¼ x 2¼ inches; hardened steel slide plate with accurate and rigid adjustment of raker gauge; holds jointing file square with body of saw; used for making saw teeth uniform in length; average weight per dozen, 6 pounds.

Open Stock.

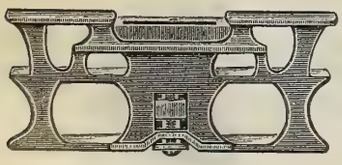
SAW TOOLS



Side File.



Jointer.



Raker Tooth Gauge.

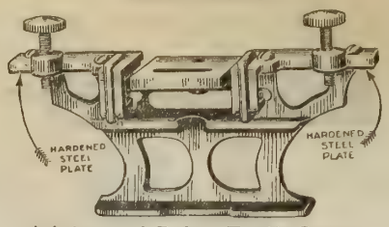
Setting Block, Tooth Set Gauge.

Perfect. List per dozen sets 13.00

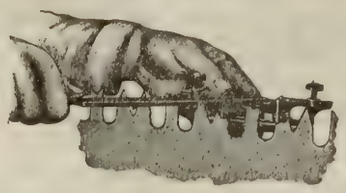
Natural finish malleable iron frame 5 x 2¼ inches; a combination tool used as side filer, jointer, tooth gauge, set block and tooth set gauge; full directions with each set; average weight per dozen, 13½ pounds.

1/12 dozen in a box.

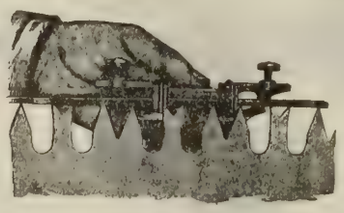
SAW TOOLS



Jointer and Raker Tooth Gauge



Used for Filing Raker or Cleaning Teeth



Used as a Jointer

Tooth Set Gauge

SIMOND'S CRESCENT

No. 340. List per dozen sets 25.20

Malleable iron frame 5¼ x 2¼ inches; steel slide plate; a combination tool for use as side filer, jointer, tooth gauge, set block and set gauge; set includes jointer raker gauge and setting stake; (no hammer); full directions with each set; average weight per dozen, 15 pounds.

1/12 dozen sets in a box.

SAW VISES

No. 80. List per dozen 18.80

Japanned malleable iron; pivot jaw with lever tightener; 9-inch jaws; height over all 7¾ inches; takes four No. 12 F.H. screws; average weight per dozen, 39 pounds.

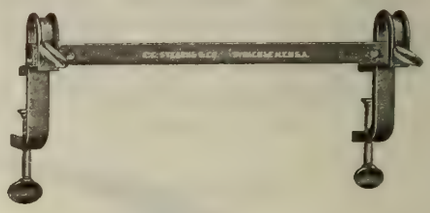
Open Stock.

SAW VISES

No. 81. List per dozen 28.80

Japanned malleable iron; adjustable backwards and forwards; pivot jaw with lever tightener; 9-inch jaws; clamp opens 2¼ inches; height above bench 6 inches; average weight per dozen, 60 pounds.

Open Stock.



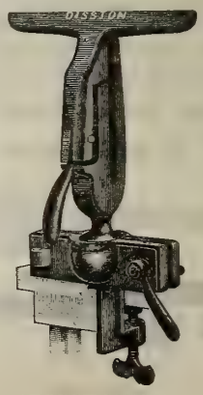
"STEARNS."

No. 501. List per dozen 35.60

Folding.

Made of channel steel, black enameled finish; vise is tightened by 2 thumb screws at each end; folding end clamps with adjustable screws, all screws are nickel plated; average weight per dozen, 21 pounds.

1/6 dozen in a box.



"DISSTON'S."

No. 1. List per dozen 81.60

Ball and Socket—To Clamp.

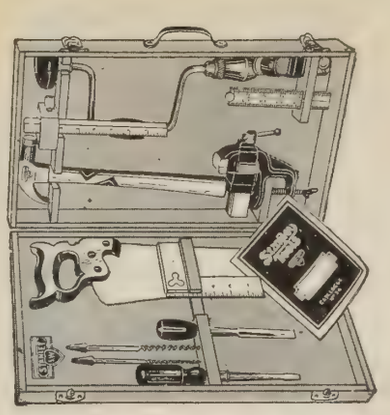
Japanned grey iron frame with malleable iron lever; adjustable to various angles; 9-inch jaws; height above bench 10 ins.; clamp opens 1¾ inches; average weight per dozen, 105 pounds.

Open Stock

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

STANLEY TOOLS IN CHESTS



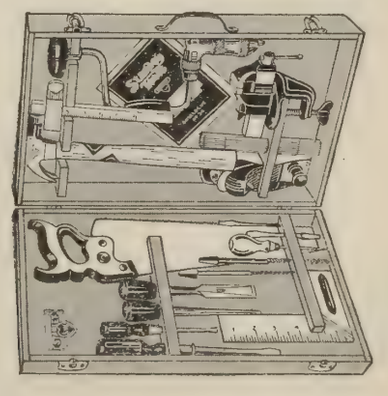
No. 904. List each 19.20

Contains 12 Stanley Tools as follows:

1 Hammer, 10 oz.	1 Plane.
1 Screw Driver, 4 inch.	1 Chisel, ½ in.
1 Try Square, 4½ in.	1 Bit Brace, 8 in.
1 Rule, 2 ft.	1 Auger Bit, ⅜ in.
1 Saw, 14 in.	1 Auger Bit, ¼ in.
1 Marking Gauge.	1 Vise.

Chest is made of wood, finished in dark Mission stain and sturdily constructed with three hinges, two clasps and carrying handle. All of the tools are held in place in wooden pockets.

Size 11¼ inches wide, 4 inches deep, 19¼ inches long. Weight, 11¾ pounds.



No. 903. List each 30.50

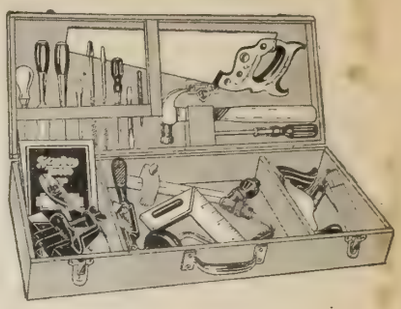
Contains 17 Stanley Tools as follows:

1 Hammer, 13 oz.	1 Bit Brace, 8 in.
1 Screw Driver, 5 in.	1 Auger Bit, ⅜ in.
1 Screw Driver, 3 in.	1 Auger Bit, ¼ in.
1 Rule, Zig-Zag, 4 ft.	1 Gimlet Bit.
1 Saw, 14 in.	1 Awl.
1 Marking Gauge.	1 Vise.
1 Plane.	1 Try and Mitre Squire, 7½ in.
1 Chisel, ¾ in.	1 Screw Driver Bit, 5/16 in.
1 Chisel, ¼ in.	

Chest is made of wood, finished in dark Mission stain and sturdily constructed with three hinges, two clasps and a carrying handle. All of the Tools are held each in place in wooden pockets.

Size 11¼ inches wide, 4 inches deep, 19¼ inches long. Weight, 14 pounds.

STANLEY TOOLS IN CHESTS



No. 902. List each 41.00

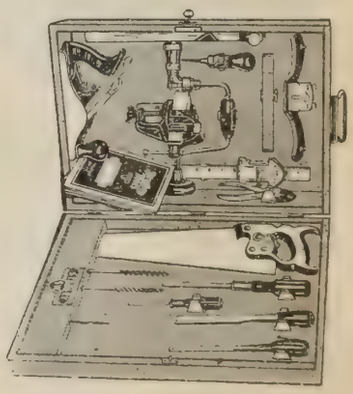
Contains 20 Stanley Tools as follows:

1 Hammer, 13 oz.	1 Try and Mitre Squire, 7½ in.
1 Screw Driver, 5 in.	1 Spoke Shave.
1 Screw Driver, 3 in.	1 Bit Brace, 8 in.
1 Rule, Zig-Zag, 4 ft.	1 Auger Bit, ⅜ in.
1 Screw Driver Bit, 5/16 in.	1 Auger Bit, ¼ in.
1 Saw, 16 in.	1 Gimlet Bit.
1 Marking Gauge.	1 Pair of Pliers.
1 Plane.	1 Awl.
1 Chisel, ¾ in.	1 Nail Set.
1 Chisel, ¼ in.	1 Vise.

Chest is made of wood, finished in dark Mission stain, sturdily constructed with three hinges, two clasps and a carrying handle. Small tools and edge tools are held in the cover, each in wooden pockets; the heavy tools are in the bottom of the chest but separated by partitions.

Size 10½ inches wide, 4¼ inches deep, 24¾ inches long. Weight, 17¾ pounds.

STANLEY TOOLS IN CABINETS



No. 862. List each 48.00

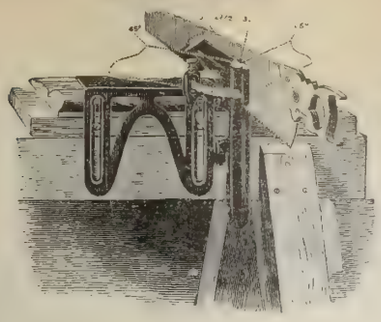
Contains 17 Stanley Tools as follows:

1 Gimlet Bit.	1 Hammer, 13 oz.
1 Pair of Pliers.	1 Saw, 16 in.
1 Vise.	1 Plane.
1 Odd Job.	1 Chisel, ¾ in.
1 Screw Driver, 5 in.	1 Chisel, ¼ in.
1 Screw Driver, 3 in.	1 Spoke Shave.
1 Rule, Zig-Zag, 4 ft.	1 Bit Brace, 8 in.
1 Auger Bit, ¼ in.	1 Auger Bit, ⅜ in.
1 Hollow Handle Tool Set.	

Cabinet made of hardwood, highly finished Mission oak and sturdily built with three hinges, a lock and carrying handle. Each tool is fastened securely in its place by a specially constructed clip.

Size 14 inches wide, 6¼ inches deep, 20 inches long. Weight, 19 pounds.

MITRE BOXES

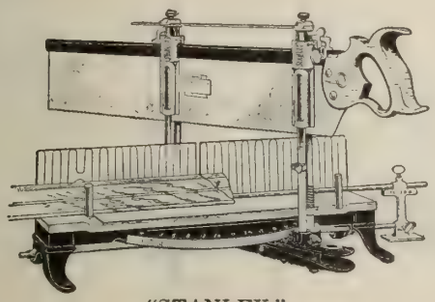


SEAVEY PATENT

No. 159-5. List per dozen 81.60

All Metal.

Red enamel iron frame with nickel plated, steel graduated gauge; without saw; will cut at any angle and any width of mitre; no special saw required; takes hand or panel saws; size folded 8 x 8 inches; average weight per dozen, 31½ pounds.
½ dozen in a box.



"STANLEY."

No. 242. List each 36.00
Saw 22 x 4; weight each, 32 pounds.

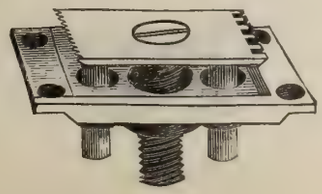
No. 246. List each 37.70
Saw 26 x 4; weight each, 34 pounds.

Small Frame.

With Disston Back Saws.

Cast iron, one-piece frame, painted dark green; corrugated back allowing dust to escape; edge of base graduated in degrees; swivel arm can be automatically set at any angle desired; uprights graduated in sixteenths, gauging depth of cut; automatic catches hold the saw up; cutting capacity:—right angles 8¼ inches, at mitre 5½ inches, will cut angles 30 to 90 degrees.
1 in a box.

BENCH STOPS OR HOOKS



No. 10. List per dozen 28.00

Screw Adjustment.

Malleable iron box and head; polished face; steel spindles; can be raised 1¼ inches above top plate; size of top plate 3½ x 1¾ inches; fine teeth on one end, coarse teeth on other end; average weight per dozen, 7 pounds.
1 dozen in a box.

BENCH SCREWS

Diam. ins.	1	1⅛	1¼
List per dozen	25.00	31.50	35.60
Length screw, ins.	12	12	14
Length over all, ins.	15	16	19
Av. wt. doz., lbs.	70	78	90

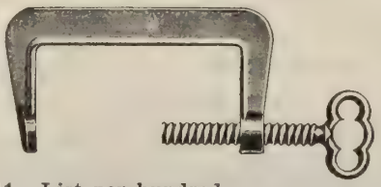
Screws cut from best refined steel; double thread; movable collar; 18-inch plain hickory handle with removable knobs.
½ dozen in a box.

STEEL BAR CARPENTER'S CLAMPS

Nos.	440	442	444
List per pair	13.80	15.40	17.20
Capacity, feet	3	4	5
Av. wt. pair, lbs.	15¼	17¾	19¾

Extra heavy steel bar 1½ x ¼-inch; ⅝-inch steel screw and crank; malleable iron frames, tips and slide.
Open Stock.

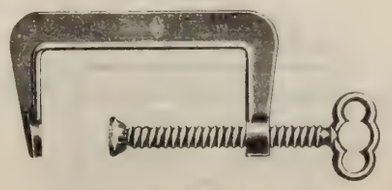
QUILT FRAME CLAMPS



No. 11. List per hundred 15.00

Plain Screw.

Japanned malleable iron; opens 2¼ ins.; average weight per dozen, 2½ pounds.
¼ hundred in a box.



Ball and Socket Screw Head.

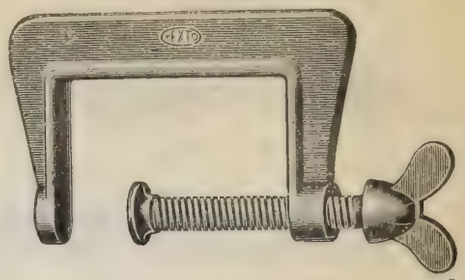
No. 32. List per hundred 22.00

Japanned malleable iron; opens 1⅞ inches; average weight per dozen, 4 pounds.
¼ hundred in a box.

No. 33. List per dozen 3.20

Japanned malleable iron; opens 3 inches; average weight per dozen, 5 pounds.
1 dozen in a box.

QUILT FRAME CLAMPS

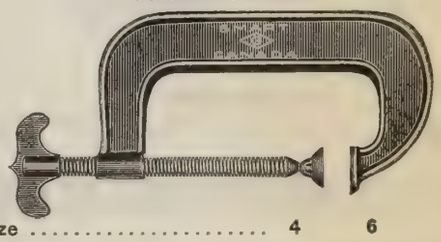


No. 10. Japanned. List per dozen 3.60

Swivel Head, Wrought Screw.

Malleable iron frame opens 2 inches; average weight per dozen, 3¾ pounds.
1 dozen in a box.

SCREW CLAMPS



Size	4	6	8
List per dozen	16.40	24.50	29.50
Opens, inches	4	6	8
Av. wt. doz., lbs.	19	28½	34

Japanned; made from the best grade iron; ball and socket screw head; machine cut thread; rivetted thumb nut.
Open Stock.

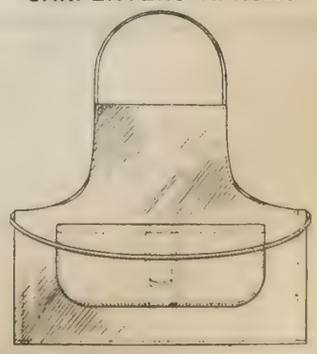
TOOL BASKETS

No.	4	5	6
List per dozen	24.00	27.60	33.60
Length, inches	33	36	39
Av. wt. doz., lbs.	16	19	24

Full Bound and Lined

Woven fibre; strongly bound on rim; twisted fibre handles with two supporting bands of jute around the basket.
Open Stock.

CARPENTERS' APRONS

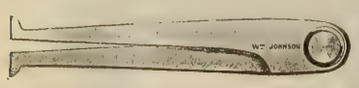


No. 5 White. List per dozen 8.80

No. 15 Brown. List per dozen 9.50

8-ounce cotton duck; 22-inch; with two large nail pockets; bound edges; with neck and adjustable waste bands; average per dozen, 3 pounds.
1 dozen in a bundle.

CALIPERS



No. 262—Inside.

Length, ins.	6	8
List per dozen	6.40	13.20
App. wt. doz., lbs.	1¾	3
Doz in a box	1	½

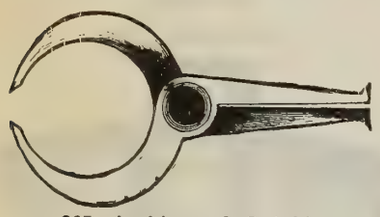
Polished cast steel, large bevelled head rivet; for inside measurements.

No. 263—Outside.

Length, ins.	3	4	5	6	8
List per doz.	4.50	4.80	5.60	6.40	13.20
Ap. wt. doz., lbs.	½	¾	1¾	2	3

No. 640. List per dozen 8.00
Outside; 6 inches long; average weight per dozen, 2¼ pounds.

Polished cast steel; large bevelled head rivet; for outside measurements.
½ dozen in a box.

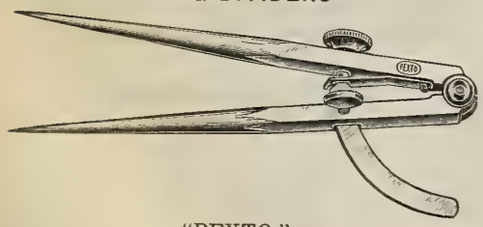


265—Inside and Outside.

Length, ins.	4	5
List per dozen	7.20	8.40
Av. wt. doz., lbs.	1	1½

Polished cast steel; large bevelled head rivet; for both inside and outside measurements.
¼ dozen in a box.

WING DIVIDERS



"PEXTO."

No. 50. Length, inches.	App. wt. doz., lbs.	List per dozen
5	2	14.00
6	4	14.70
7	4¼	16.50
8	4½	18.40
9	7	21.60
10	8	25.00

Forged from fine quality steel; well polished; brass joints; the upper part of legs are perfectly square; the lower part being perfectly tapered; flat steel spring; set screw and front screw allow accurate and positive adjustment.

5-inch, 1 dozen in a box.
Others, ½ dozen in a box.

MARKING GAUGES

"STANLEY."

No. 61. List per dozen 3.80

Square Head, Plain.

Beechwood bar and head; boxwood thumb screw; steel pin; oval bar 8¼ inches long, graduated in sixteenths for 6 inches; average weight per dozen, 2⅞ pounds.

1 dozen in a box.

"STANLEY."

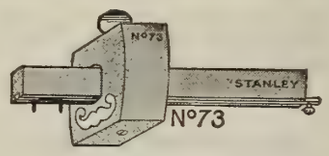
No. 65. List per dozen 19.50

Square Head.

Boxwood, polished brass screw; brass face plates; adjustable point; bar is 8¼ inches long; graduated in sixteenths for 6 inches; average weight per dozen, 3¾ pounds.

½ dozen in a box.

MORTISE GAUGES



"STANLEY."

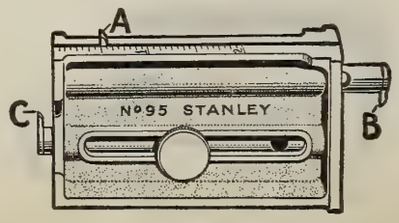
No. 73. List per dozen 25.40

With Brass Slide.

Boxwood, polished; brass face plate, slide and thumb screw; steel points; bar 6¼ inches long, graduated in sixteenths for 3 inches; one pin on bar and one on the slide; average weight per dozen, 4 lbs.

½ dozen in a box.

BUTT GAUGES.



"STANLEY."

No. 95. List per dozen 29.70

Nickel plated cast iron body; steel bar; tempered points; length 2½ inches; scale graduated in sixteenths for 2 inches; with three cutters and two bars; average weight each, ½ pound.

1/12 dozen in a box.

BIT GAUGES

"STANLEY."

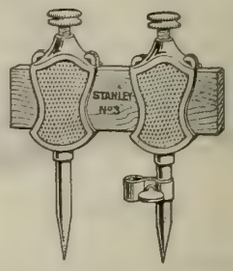
No. 49. List per dozen 17.50

Adjustable.

Nickel plated cast iron; 2½ inches long; can be attached to bits of any size up to 1 inch diameter; with stops on both sides; exact depth can be regulated and holes of uniform depth may be bored; average weight each, ⅜ pounds.

1/12 dozen in a box.

TRAMMEL POINTS.



"STANLEY."

No. 2. List per set 3.90

Bronze.

Steel points; with pencil holder attachable to either leg; points are 1⅞ inches, length over all 4¼ inches; for 1 inch straight edge. For striking larger arcs or circles than can be done with compass or divider; average weight per set, ⅜ pounds.

1/12 dozen sets in a box.

PENCIL CLASPS

"STANLEY."

No. 8. List per dozen 3.30

Length, 1¼ inches.

Rough iron, nickel plated; for attaching to a pair of ordinary dividers; takes regular or carpenters' pencils. 1 dozen mounted on a display card; average weight per dozen, ½ pound.

2 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

WOOD PLUMBS AND LEVELS

"RABONE'S."

No. 1624. List per dozen 19.20

9-Inch.

Walnut; polished; brass top and bottom tips; tapered ends; length 9 inches, width at centre 5/8 inches, depth 1⅜ inches; level glass 2½ inches, plumb glass, 1 inch; average weight per dozen, 3 pounds.

1/2 dozen in a box.

WOOD PLUMBS AND LEVELS

SANDS

Made throughout of superior stock, thoroughly seasoned; the spirit glasses are all proved and are accurately set and then sealed. They are non-adjustable and are therefore always correct. The glasses are protected by heavy plate glass lens making them dust proof and waterproof.

No. 62.
Length, inches 16

List per dozen 22.80
Average weight dozen, pounds 13½

Black Walnut, made from 1⅛ x 2⅜-inch stock; 2 protected glasses; level glass is centred, plumb glass to the side.
1/12 dozen in a box.

No. 72.
Length, inches 20 24

List per dozen 27.60 27.60
Average weight dozen, lbs. 13 19½

Black Walnut, made from 1⅛ x 2⅜-inch stock; 2 protected glasses; level glasses centred, plumb glass to the side.
1/12 dozen in a box.

No. 82.
Length, inches 24 26

List per dozen 32.40 32.40
Average weight dozen, lbs. 18 20

Black Walnut, made from 1⅛ x 2⅜ inch stock; 3 protected glasses; the two level glasses are set in the same opening, one above the other; plumb glass set to the side.
1/12 dozen in a box.

No. 82 B. E.
Length, inches 24 26

List per dozen 38.40 38.40
Average weight dozen, lbs. 20½ 22

Black Walnut; brass ends; made from 1⅛ x 2⅜-inch stock; 3 protected glasses; brass ends, the two level glasses are set in the same opening, one above the other; plumb glass set to the side.
1/12 dozen in a box.

No. 118 B. B.
Length, inches 24

List per dozen 84.00
Average weight dozen, lbs. 26

Black Walnut; brass bound; 1 1/16 x 2 3/8-inch stock; 4 protected glasses; brass bound at ends an dedges; two level glasses are set in the same opening, one above the other in the centre; plumb glasses are set in a separate opening one on each side of the level glasses; either end or edge may be used for plumb or level.
1/12 dozen in a box.

No. 126 B. B.

26-inch. List per dozen 90.00

Black Walnut; brass bound; 1 1/16 x 2 3/8-inch stock; 4 protected glasses; brass bound at ends and edges; the two level glasses are set in the same opening, one above the other in the centre; plumb glasses are set in a separate opening one on each side of the level glasses; either end or edge may be used for plumb or level; average weight per dozen, 28 pounds.
1/12 dozen in a box.

No. 1A. Masons.

48-inch. List per dozen 54.00

Red painted; selected stock 1¼ x 2¾ inches; protected glasses; two plumbs and two levels; bob-hole, hand hole and scribe; levels either edge up; average weight per dozen, 36 pounds.
1/12 dozen in an envelope.

Masons

No. 3A.

42-inch. List per dozen 84.00

Red painted; selected stock 1¼ x 2¾ inches; six protected glasses; four plumbs and two levels; two hand holes; either end may be used for a plumb and either side for a level; average weight per dozen, 23 pounds.
1/12 dozen in an envelope.

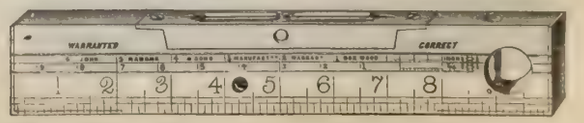
Masons

No. 3A.

48-inch. List per dozen 84.00

Red painted; selected stock 1¼ x 2¾ inches; six protected glasses; four plumbs and two levels; two hand holes; either end may be used for a plumb and either side for a level; average weight per dozen, 25 pounds.
1/12 dozen in an envelope.

RABONE'S PLUMBS AND LEVELS



No. 1371. List per dozen 28.00

12-inch; with Rule.

Boxwood, French polished; stock 1½-inch wide, ½-inch thick; 2-inch level glass, 1-inch plumb glass, proved; brass tips on bottom; rule marked inches in 8ths and 16ths; average weight per dozen, 4½ pounds.
½ dozen in a box.

STANLEY WOOD PLUMBS AND LEVELS

The stocks are made of thoroughly seasoned wood with "hand-y" grip giving the user secure hold on the tool. The glasses are accurately marked and in the non-adjustable type are set in plaster and fixed, in the adjustable type they are set in plaster in a metal case and are adjustable by means of a spiral spring held with a screw. They are made in a combination of various woods, types of glasses and different forms of brass trim.

No. 102. Level only.

Length, inches	10	12	14	16
List per dozen	12.80	12.80	12.80	12.80
Average weight each, lbs.	¾	⅞	1	1⅛

Non-Adjustable.

Small stock, 2⅝ x 1¼ inches; hardwood, stained and polished; proved glass; brass top plate; blackened views; plain ends.

1 dozen in a case.

No. 103. Level only.

Length, inches	18	20	22	24
List per dozen	17.50	17.50	17.50	17.50
Average weight each, lbs.	1⅛	1¼	1½	1¾

Non-Adjustable.

Small stock 2⅝ x 1¼ inches; hardwood, stained and polished; proved glass; brass top plate; blackened views; plain ends.

1 dozen in a case.

No. 104.

Length, inches	14	16	18
List per dozen	18.40	19.40	19.40
Average weight each, lbs.	⅞	1	1⅛

Non-Adjustable.

Small stock 2⅝ x 1¼ inches; hardwood, stained and polished; proved glasses; brass top plate; blackened views; plain ends; one plumb and one level.

1 dozen in a case.

No. 00.

Length, inches	20	22
List per dozen	25.00	26.20
Average weight each, lbs.	2	2⅛

Non-Adjustable.

Standard stock 3⅛ x 1⅜ inches; hardwood, stained and polished; proved glasses; brass top plate; blackened side views; plain ends; one plumb and one level.

½ dozen in a case.

No. 0.

Length, inches	24	26	28	30
List per dozen	27.60	27.60	29.40	29.40
Average weight each, lbs.	2¼	2½	2¾	3

Non-Adjustable.

Standard stock 3⅛ x 1⅜ inches; hardwood, stained and polished; proved glasses; brass top plate; blackened side views; plain ends; one plumb and one level.

½ dozen in a case.

No. 2. Assorted. List per dozen 39.60

Assorted lengths, 24, 26, 28, 30 inches.

Adjustable.

Standard stock, 3⅛ x 1⅜ inches; hardwood, stained and polished; proved glasses; brass top plate; blackened views; plain end; one plumb and one level.

½ dozen in a box.

No. 3.

Length, inches	26	28
List per dozen	48.70	50.60
Average weight each, lbs.	2¾	3

Adjustable, Brass End Plates.

Standard stock, 3⅛ x 1⅜ inches; hardwood, stained and polished; proved glasses; brass top plate; brass tips; blackened side views; one plumb and one level.

½ dozen in a case.

No. 30.

Length, inches	28	30
List per dozen	66.80	56.30
Average weight each, lbs.	3¼	3½

Duplex, Adjustable.

Standard stock, 3⅛ x 1⅜ inches; hardwood, stained and polished; proved glasses; brass top plate; brass ends; brass side views; blackened level view; side glasses are close to surface giving increased angle of vision; with additional levelling glass set inside at opposite end from plumb glass.

½ dozen in a case.

No. 35. List per dozen 70.08

Masons, Adjustable.

Light stock, 3⅝ x 1⅜ inches; 42 inches long; light wood, stained and polished; proved glasses; brass top plate; blackened views; with plumb bob opening at one end; average weight per dozen, 64 pounds.

½ dozen in a case.

No. 45½. List per dozen 108.60

Masons, Adjustable.

Light stock, 3¾ x 1 1/16 inches; 48 inches long; light wood, stained and polished; proved glasses; brass top plate; brass side views; double handy grooves; one level; two plumb views and two plumb bob openings; average weight per dozen, 60 pounds.

½ dozen in a case.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

WOOD PLUMBS AND LEVELS

"STANLEY."

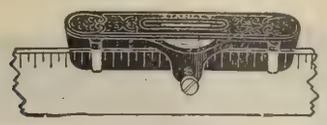
No. 002A. List per dozen 19.20

Length, 24 Inches.

Standard stock, 2¾ x 1¼ inches; hardwood, stained and polished; proved glasses; brass top plate; blackened side views; plain ends; one plumb and one level glass; average weight per dozen, 18 pounds.

Open stock.

POCKET LEVELS



"STANLEY."

No. 40. List per dozen 3.80

Japanned Top Plate.

No. 41. List per dozen 3.90

Brass Top Plate.

Japanned iron body 3¼ inches long; proved glass; can be attached to any straight edge or carpenters' square; average weight per dozen, 1⅝ pounds.

1 dozen in a box.

"STANLEY."

No. 31—			
Length, inches	2	2½	3
List per dozen	9.60	10.60	12.70
Weight dozen, lbs.	1/2	5/8	1

Hexagon.

Nickel plated steel case; proved glass; a handy pocket level.

1/2 dozen in a box.

METALLIC LEVELS

No39½

"STANLEY."

No. 39½. List per dozen 17.50

6-Inch.

Nickel plated, cast iron stock with steel top; top screwed to stock; proved glass set in plaster; average weight per dozen, 7 pounds.

1/2 dozen in a box.

METALLIC PLUMBS AND LEVELS

"STANLEY."

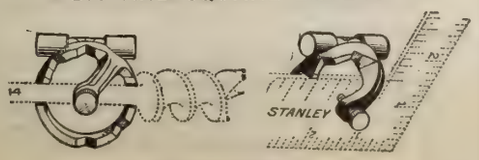
No. 36—			
Length, inches	12	18	24
List per dozen	55.60	66.50	75.60
Wt. per dozen., lbs. ...	22½	36	52

Adjustable.

Japanned cast iron frame; nickel plated trimmings; proved glasses; smooth bottoms; two plumb and one level glass all enclosed in nickel plated steel cases, which are easily removed or adjusted.

1/12 dozen in a box.

BIT AND SQUARE LEVELS



"STANLEY."

No. 44. List per dozen 11.80

For Use on Auger Bit or Steel Square.

Cast brass frame and set screw; proved glass; width 1½ inches; average weight per dozen, 1½ pounds.

1/12 dozen in a box.

LEVEL GLASSES

"STANLEY."

Length, inches	1¼	1½	1¾
List per dozen	2.10	2.10	2.10
Wt. doz., lbs.	3/16	1/4	1/4
Length, inches	2	2½	3
List per dozen	2.40	2.70	2.90
Wt. doz., lbs.	3/8	1/2	5/8

Assorted. List per dozen 2.80

Proved.

Extra thick tubing; marked at crowning point by two indelible lines, enabling the bubble to be quickly centred.

1 dozen in a box.

LEVEL SIGHTS

"STANLEY."

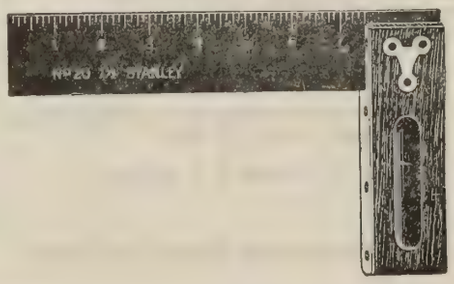
No. 1. List per dozen pairs 27.60

For Wood Levels.

Japanned cast iron; steel set screw. For sighting levels from one point to another distant point; easily attached; width inside, 1⅜ inches; average weight per pair, 1/4 pound.

1/12 dozen in a box.

TRY SQUARES



No. 20—			
Blade, length, inches ..	4½	6	7½
List per dozen	9.70	13.00	14.10
Width blade, ins.	1½	1⅝	1⅝
Length handle, inches..	3½	4⅝	5⅜
App. wt. doz., lbs.	3¼	4	5¾
Blade, length, ins.	9	10	12
List per dozen	18.10	19.60	24.10
Width blade, inches ...	1¾	1¾	2
Length handle, inches..	6	6	7
App. wt. doz., lbs.	7¼	7½	9½

Rosewood Handles.

Blued steel blade; stamped markings; graduated 8ths inches; polished handle with "hand-y" grip; brass face edge; blade inserted in handle and rivetted through brass plates on both sides; square inside and outside.

1/2 dozen in a box.

TRY SQUARES

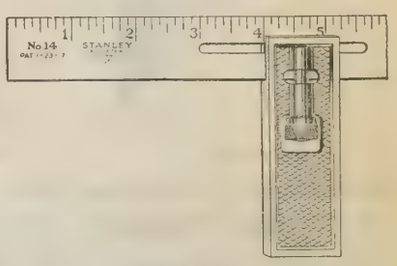
"STANLEY."

No. 12.				
Blade, length, ins.	4	6	8	12
List per doz.	10.80	13.80	15.60	24.00
Width blade, in...	1⅛	1⅜	1½	1⅞
Length, handle, ins.	3⅛	4⅜	5⅛	8
App. wt. doz., lbs..	3¾	4½	8¼	16

Iron Handle.

Nickel plated cast handle; high grade steel blade; stamped markings, graduated 8ths inches; square inside and outside; blade inserted in handle and securely rivetted.

1/2 dozen in a box.



"STANLEY."

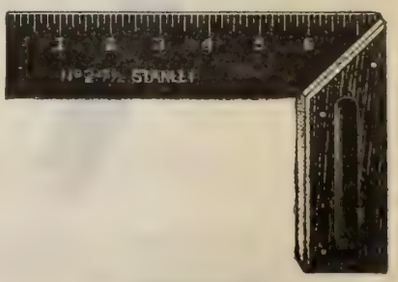
No. 14. 6-inch blade. List per dozen ... 15.50

Adjustable.

Nickel plated cast iron handle; 3⅝ inches long; polished steel blade 1¼ inches wide; stamped markings; graduated 8ths and 16ths inches; blade is inserted in handle and secured by a bolt by which it can be firmly locked at any point; average weight per dozen, 4½ pounds.

1/2 dozen in a box.

TRY AND MITRE SQUARES



"STANLEY."

No. 2.			
Blade, length, inches	6	7½	9
List per dozen	15.30	17.50	21.10
Width blade, ins.	1⅝	1⅞	1⅞
Length handle, ins.	4	5	5¾
Av. wt. doz., lbs.	4½	5¾	7½

Rosewood Handle.

Blued steel blade; stamped markings, graduated 8ths inches; polished handle; with "hand-y" grip; brass face plates.

1/2 dozen in a box.

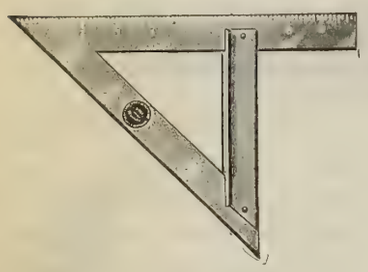
TRY AND MITRE SQUARES

LUFKINS "UNIVERSAL."

No. 65.		
Length, blade, ins.	9	12
List per dozen	26.40	30.00
App. wt. doz., lbs.	9	13½

Polished steel blade, marked both sides 8ths and 16ths; japanned iron, movable head; convenient as a try-square, 45 degree mitre, depth gauge, height gauge and marking gauge; blade can be used separately as a rule.

1/12 dozen in a box.



No. 3. List per dozen 20.00

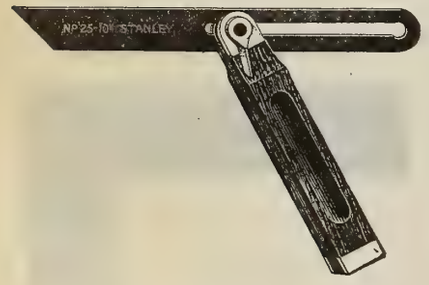
Blade Marked in Inches and 1/8ths.

10½ x 1½ inches.

Nickel plated rolled steel blades and handle; handle flange faced on both sides of blade attached by steel rivet at each end of handle; requires no adjusting; stamped figures and markings; average weight per dozen, 5½ pounds.

1/2 dozen in a box.

SLIDING T BEVELS



"STANLEY."

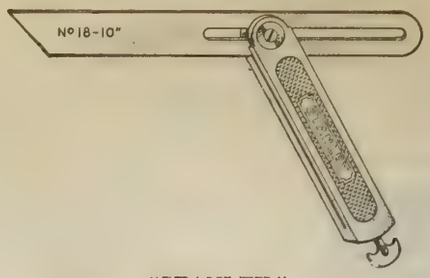
No. 25.			
Length, blade, ins.	6	8	10
List per dozen	11.70	13.20	13.70
Length handle, ins.	4⅞	5⅞	7⅜
Av. wt. doz., lbs.	2½	3½	4½

Rosewood Handle.

Blued steel slotted blade, machined and ground on both sides and edges; polished handle with "Handy" grip and brass end plates; blade held at any angle by brass flush wing nut.

½ dozen in a box.

SLIDING T BEVELS



"STANLEY."

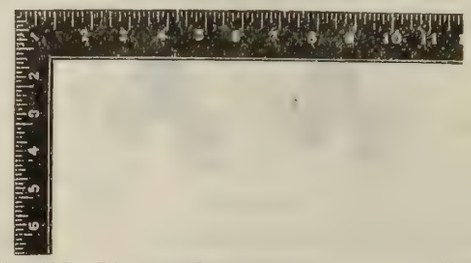
No. 18.
8-inch blade. List per dozen 22.20

Iron Handle.

Nickel plated cast iron handle 5⅛ inches long; polished steel slotted blade, machined and ground on both sides and edges; improved locking device securely holds the blade; average weight per dozen, 5¾ pounds.

½ dozen in a box.

CARPENTERS IRON SQUARES



No. 492. List per dozen 13.00
14 gauge polished iron; body 24 x 1 7/16 inches; tongue 12 x 15/16 inches; marked on one side only; average weight per dozen, 11 1/2 lbs.

No. 493. List per dozen 16.00
13 gauge polished iron; body 24 x 1 7/16 inches; tongue 12 x 15/16 inches; marked on both sides; average weight per dozen, 14 1/2 pounds.

No. 494. **Polished.** List per dozen 19.40
No. 196. **Galvanized.** List per dozen ... 22.00
13 gauge iron; body 24 x 2 inches; tongue 12 x 1 7/16 inches; marked on both sides; average weight per dozen, 19 pounds.

All the above squares have cut markings, graduated inches in 8ths.

1/2 dozen in a package.

CARPENTERS STEEL SQUARES

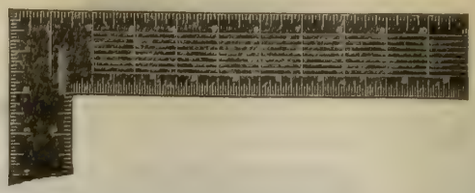
No.	Finish	List per dozen
100	Polished	55.00
100B.	Blued	68.00

Brace, Octagon, Essex and1-100 Scale.

Body 24 x 2 inches; tongue 16 x 1½ ins.; cut markings, graduated 1/32, 1/16, 1/12, 1/10, 1/8, inches (blued square white filled markings) made from the best double refined, weldless spring steel; average weight per dozen, 27 pounds.

¼ dozen in a box.

CARPENTERS STEEL SQUARES



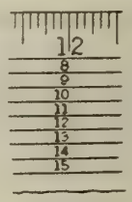
No.	Finish	Tongue, ins.	Marks, ins.	List Dozen
14	Polished	16x1 1/2	1/8, 1/4	45.00
3x16	"	16x1 1/2	16ths, 12ths, 4ths	50.00
3x18	"	18x1 1/2	16ths, 12ths, 4ths	50.00
3.B.	Blued	16x1 1/2	16ths, 12ths, 4ths	62.00
3.NP.	Nickel	16x1 1/2	16ths, 12ths, 4ths	60.00

Brace, Octagon and Essex Board Measure.

Body 24 x 2 inches; cut markings; (blued square, white filled markings) made from the best double refined, weldless spring steel; average weight per dozen, 27 lbs.

1/4 dozen in a box.

SQUARE TABLES AND SCALES

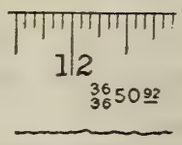


Essex

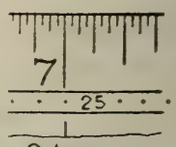
Essex Table—

This is always found on the body of the Square. This table shows the board measure in feet and 12ths of feet of boards one inch thick of usual lengths and widths.

It consists of a table 8 lines deep under each inch graduation as shown by the above illustration which represents the 12-inch section of this table.



Brace



Octagon

Brace Table—

This table is found on the tongue of the Square. It shows the length of the brace to be used where the rise and run are from 24 inches to 60 inches and are equal.

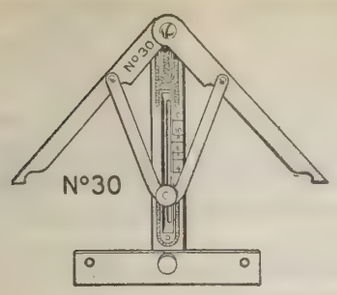
Octagon Scale—

This is located on the tongue of the Square, and is used for laying out a figure with eight equal sides on a square piece of timber. It is a scale, the graduations of which are represented by 65 dots located 5/24ths of an inch apart.

Hundredths Scale—

This scale is found on the tongue of the Square and by means of a divider, decimals of an inch may be obtained. It is used particularly in reference to brace measure.

ANGLE DIVIDERS



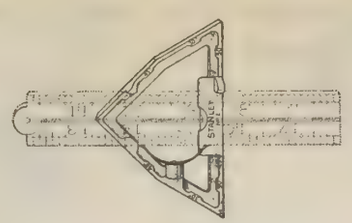
"STANLEY."

No. 30. List per dozen 52.80

Nickel plated cast iron handle; polished steel wings and bottom plate; 7⅜ inches long when closed; 5 x ⅞ inch handle; the handle is graduated on the under side for laying out 4, 6 or 8-side work; and with it any angle can be found and bisected; average weight each, ⅝ pounds.

1/12 dozen in a box.

3-ANGLE RULE TOOL



"STANLEY."

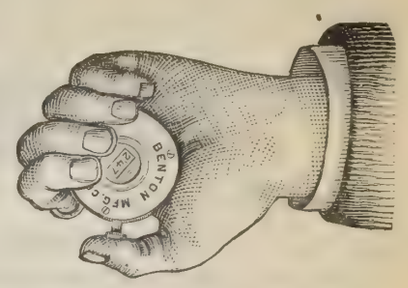
No. 2. List per dozen 21.60

With Level.

Nickel plated cast iron; readily attached to any two-foot rule that is one inch in width; may be used as a plumb, level, square, T-square, mitre square, depth gauge, or a marking gauge; a handy tool for all mechanics; average weight per dozen 2¼ pounds.

½ dozen in a box.

HAND TALLY REGISTERS



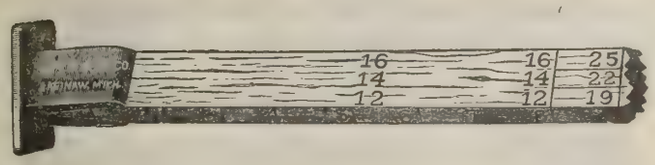
No. 0. List per dozen 104.40

Registers from 1 to 999.

Nickel plated brass case, 2-inches diameter, ⅝-inch thick; glass lense; figures are changeable by means of thumb buttons on the back; average weight per dozen, 2½ pounds.

½ dozen in a box.

LOG RULES



"LUFKIN."

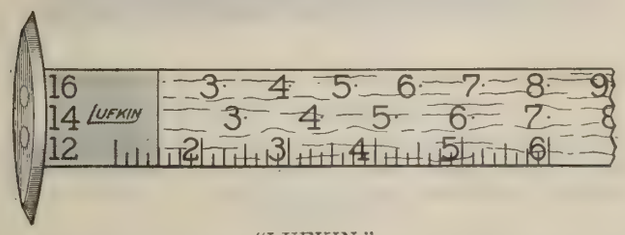
No. 15. List per dozen 50.00

Doyle-Scribner Scale.

Square head; full length 3½ feet; 1⅛-inch wide; figured 36 inches, with 6-inch swelled handle; polished hickory; burnt figures; marked to measure logs of even length from 8 to 20 feet; solid steel head; average weight per dozen, 8¼ pounds.

Open Stock.

BOARD RULES



"LUFKIN."

No. 3A. List per dozen 49.60

Marked on one side 8, 10, 18; other side 12, 14, 16.

No. 3. List per dozen 62.40

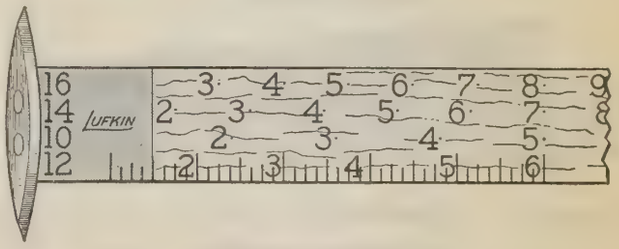
Marked on one side 9, 10, 13; other side 12, 14, 16.

Diamond Head.

Figured 30 inches, with 6-inch swelled handle; 1⅛ inch wide; steel cap with 1½ inch brass shoulder; 3-tier; for measuring boards 8 to 18 feet long; average weight per dozen, 6 pounds.

Open Stock.

BOARD RULES



"LUFKIN."

No. 8. List per dozen 67.20

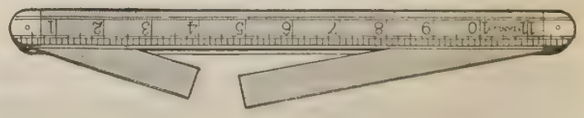
Diamond Head.

Polished Hickory; Burnt Figures.

Figured 30 inches, with 6-inch swelled handle; 1⅛ inch wide; steel cap with 1½ inch brass shoulder; 4-tier; marked on one side, 9, 10, 11, 13, other side 12, 14, 16, 18; average weight per dozen, 6¾ pounds.

Open Stock.

SHIP CARPENTERS' BEVELS



"STANLEY."

No. 42. List per dozen 13.10

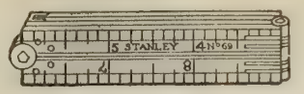
1-Foot.

Boxwood, graduated 8ths and 16ths inches; brass tipped; two brass tongues; ⅝-inch wide; average weight per dozen 1⅝ pounds.

1 dozen in a box.

BOXWOOD RULES

Made of superior quality thoroughly seasoned wood; carefully finished and accurately graduated; great care is given to the metal used in all joints, plates, bindings, etc.



No. 69. Stanley. List per dozen 3.90

One-Foot, Four-Fold.

⅝-inch wide; round joint; middle plates; unbound; marked 8ths and 16ths inches; average weight per dozen, ½ lb.

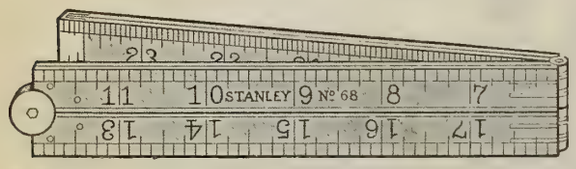
½ dozen in a box.

No. 465. Lufkin (No. 69). List per dozen 4.00

One-Foot, Four-Fold.

⅝-inch wide; round joint; middle plates; unbound; marked in 8ths and 16ths inches; average weight per dozen, ¾ lb.

½ dozen in a box.

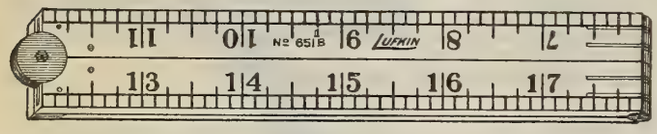


No. 68. Stanley. List per dozen 4.60

Two-Foot, Four-Fold.

1-inch wide; round joint; middle plates; unbound; marked in 8ths and 16ths inches. Average weight per dozen, 1¼ pounds.

½ dozen in a box.

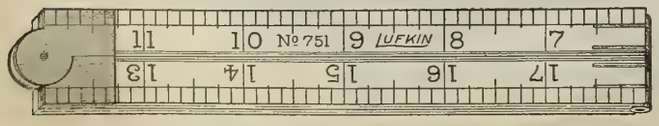


No. 651B. Lufkin. (No 68). List per dozen 4.20

Two-Foot, Four-Fold.

1-inch wide; round joint; middle plates; unbound; marked 8ths and 16ths inches; average weight per dozen, 1¼ pounds.

½ dozen in a box.



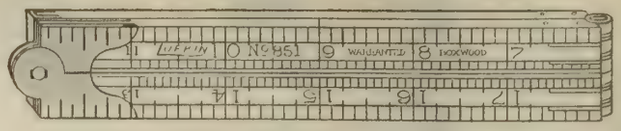
No. 751. Lufkin. (No. 61). List per dozen 5.70

No. 61. Stanley. List per dozen 5.40

Two-Foot, Four-Fold.

1-inch wide; square joint; middle plates; unbound; marked 8ths and 16ths; average weight per dozen, 1½ pounds.

½ dozen in a box.

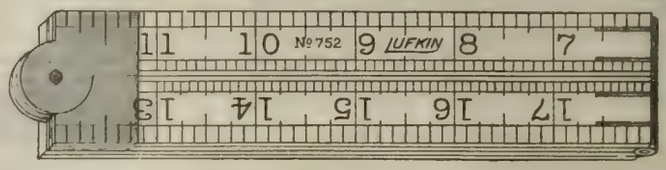


No. 851. Lufkin. (No. 51). List per dozen 7.50

Two-Foot, Four-Fold.

1-inch wide; arch joint; middle plates; unbound; with drafting scales; marked 8ths, 10ths, 12ths, 16ths, inches. Average weight per dozen, 1½ pounds.

½ dozen in a box.



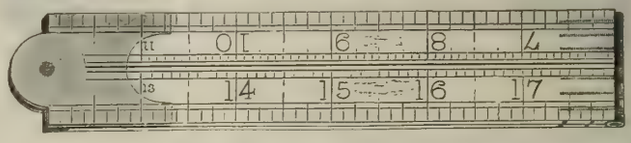
No. 752. Lufkin. (No. 70). List per dozen 8.90

No. 70. Stanley. List per dozen 8.60

Two-Foot, Four-Fold.

1⅜-inches wide; square joint; middle plates; unbound; with drafting scales; marked in 8ths and 16ths inches. Average weight per dozen, 2 pounds.

½ dozen in a box.

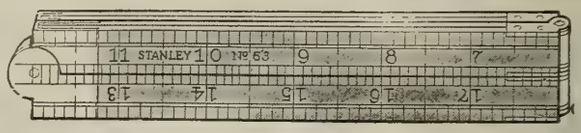


No. 1377. Rabone. List per dozen 10.40

Two-Foot, Four-Fold.

1⅛-inches wide; arch joint; extra brass and German silver middle plates; marked in 8ths, 10ths, 12ths, 16ths, inches. Average weight per dozen, 3 pounds.

½ dozen in a box.

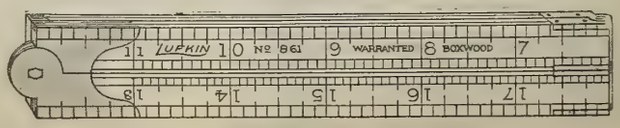


No. 63. "Stanley." List per dozen 8.60

Two-Foot, Four-Fold.

1-inch wide; square joint; edge plates; unbound; marked 8ths, 10ths, 12ths, 16ths inches, with drafting scales; average weight per dozen, 1½ pounds.

½ dozen in a box.



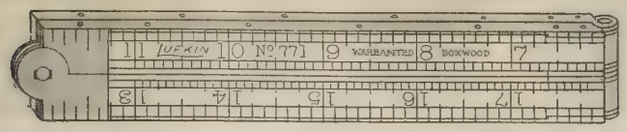
No. 861. Lufkin. (No. 53). List per dozen 10.30

Two-Foot, Four-Fold.

1-inch wide; arch joint; edge plates; unbound; with drafting scales; marked in 8ths, 10ths, 12ths, 16ths inches. Average weight per dozen, 1½ pounds.

½ dozen in a box.

BOXWOOD RULES

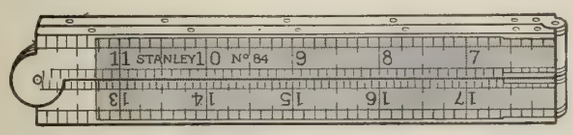


No. 771. Lufkin. (No. 84.) List per dozen 14.00

Two-Foot, Four-Fold; Half Bound.

1-inch wide; square joint; **with drafting scales;** marked in 8-10-12-16ths. Average weight per dozen, 2 pounds.

½ dozen in a box.

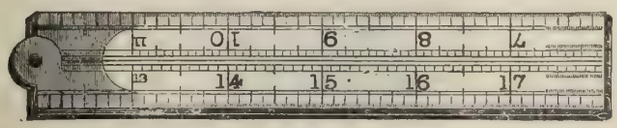


No. 84. Stanley. List per dozen 13.60

Two-Foot, Four-Fold; Half Bound.

1-inch wide; square joint; **with drafting scales;** marked in 8ths, 10ths, 12ths. Average weight per dozen, 2 pounds.

1/2 dozen in a box.

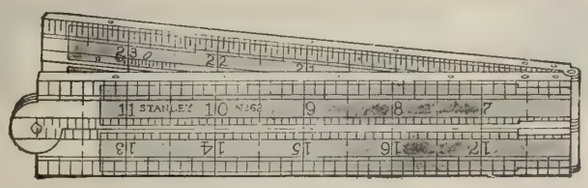


No. 1101. Rabone. (No. 52.) List per dozen 17.00

Two-Foot, Four-Fold; Half Bound.

1-inch wide; arch joint; extra brass and German silver middle plates; marked in 8-10-12-16ths. Average weight per dozen, 2 pounds.

½ dozen in a box.

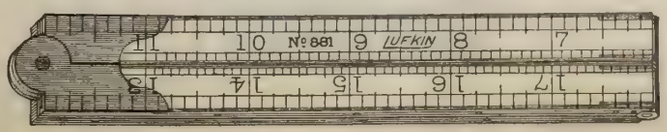


No. 62. Stanley. List per dozen 17.30

Two-Foot, Four-Fold; Full Bound.

1-inch wide; square joint; marked 8ths, 10ths, 12ths, 16ths inches, **with drafting scales;** average weight per dozen, 3¼ pounds.

½ dozen in a box.



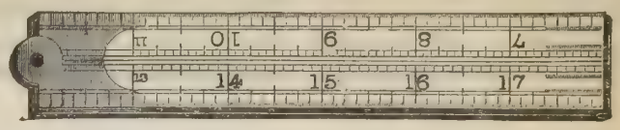
No. 881. Lufkin. (No. 54.) List per dozen 19.50

Two-Foot, Four-Fold; Full Bound.

1-inch wide; arch joint; **with drafting scales;** marked 8-10-12-16ths. Average weight per dozen, 2½ lbs.

½ dozen in a box.

BOXWOOD RULES

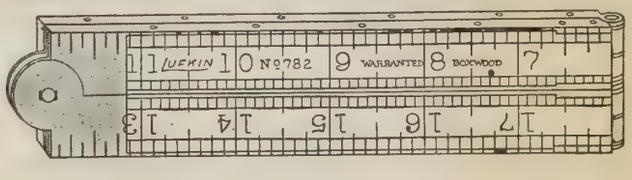


No. 1102. Rabone. List per dozen 21.70

Two-Foot, Four-Fold; Full Bound.

1-inch wide; arch joint; extra brass and German silver middle plates; marked in 8-10-12-16ths. Average weight per dozen, 2¼ pounds.

½ dozen in a box.



No. 782. Lufkin. (No. 72½.). List per dozen 19.20

Two-Foot, Four-Fold; Full Bound.

1⅝-inches wide; square joints; **with drafting scales;** marked 8-10-16ths. Average weight per dozen, 3 pounds.

½ dozen in a box.

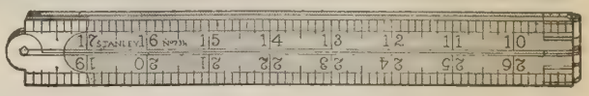
No. 3851. Lufkin. (No. 66½.) List per dozen 11.00

No. 1375. Rabone. (No. 66½.) List per dozen 11.00

Three-Foot, Four-Fold.

1-inch wide; arch joint; middle plates; unbound; marked in 8-16ths. Average weight per dozen, 2 pounds.

½ dozen in a box.

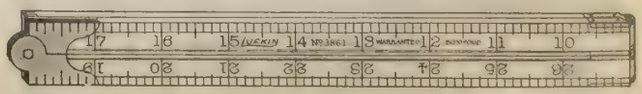


No. 66½. Stanley. List per dozen 10.50

Three-Foot, Four-Fold.

1-inch wide; arch joint; middle plates; unbound; marked 8ths and 16ths inches. Average weight per dozen, 2 pounds.

½ dozen in a box.



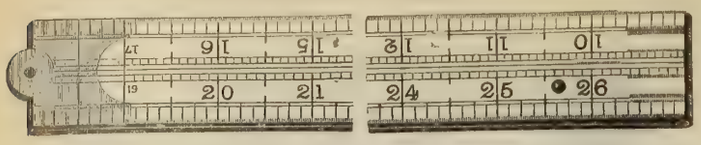
No. 3861. Lufkin. (No. 66¼.). List per dozen 15.70

Three-Foot, Four-Fold.

1-inch wide; arch joint; edge plates; unbound; marked in 8-16ths. Average weight per dozen, 2 pounds

½ dozen in a box.

BOXWOOD RULES

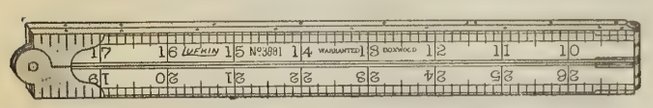


No. 1112. Rabone. List per dozen 26.00

Three-Foot, Four-Fold; Half Bound.

1⅛-inch wide; arch joint; extra brass and German silver middle plates; marked in 8ths, 10ths, 12ths, 16ths inches. Average weight per dozen, 2¾ pounds.

½ dozen in a box.

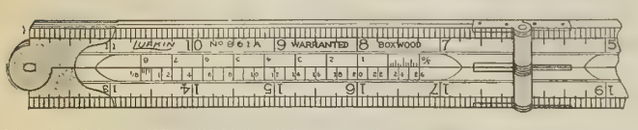


No. 3881. Lufkin. (No. 66¾.) List per dozen 34.00

Three-Foot, Four-Fold; Full Bound.

1-inch wide; arch joint; marked in 8ths, 16ths inches. Average weight per dozen, 3¼ pounds.

½ dozen in a box.



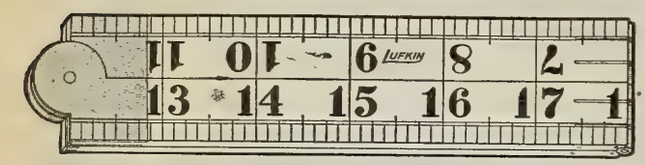
No. 861. Lufkin. (No. 53½.) List per dozen 17.50

Architects' Rules.

Two-Foot, Four-Fold.

1-inch wide; arch joint; edge plates; unbound; Architects' scales with inside edges bevelled; marked 8ths, 10ths, 12ths, 16ths inches. Average weight per dozen, 1½ pounds.

½ dozen in a box.



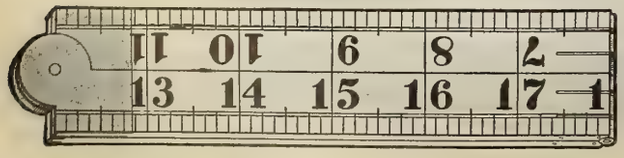
No. 762. Lufkin. (No. 7.) List per dozen 13.30

Blindman's.

Two-Foot, Four-Fold.

1⅜-inches wide; square joint; middle plates; marked in 8ths, 16ths inches, especially adapted for use in poorly lighted places or for persons with poor eyesight; average weight per dozen, 2 pounds.

½ dozen in a box.



No. 1167 x 2 ft. Rabone. List per dozen 14.00

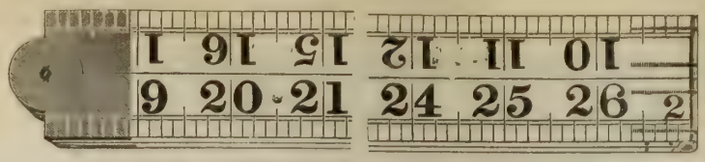
Blindman's.

Two-Foot, Four-Fold.

1⅜-inches wide; square joint; middle plates; unbound; marked in 8ths and 16ths inches. With extra large and distinct figures; average weight per dozen, 2¼ pounds.

½ dozen in a box.

BOXWOOD RULES



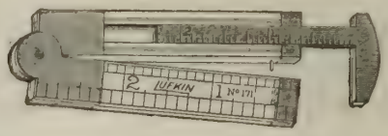
No. 1167 x 3 ft. Rabone. List per dozen 17.30

Blindman's.

Three-Foot, Four-Fold.

1⅜-inches wide; square joint; middle plates; unbound; marked in 8ths and 16ths inches. With extra large and distinct figures; average weight per dozen, 2¾ pounds.

½ dozen in a box.



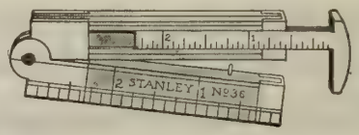
No. 171. Lufkin. (No. 36.) List per dozen 11.30

Caliper.

Six Inch, Two-Fold.

1-inch wide; square joint; unbound; marked in 8-10-12-16ths. Accurately machined slide; average weight per dozen, 1 pound.

½ dozen in a box.



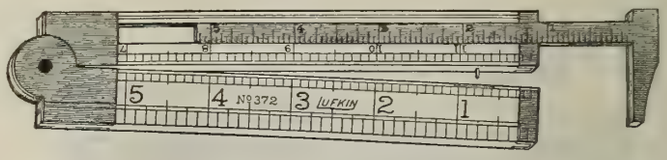
No. 36. Stanley. List per dozen 10.80

Caliper.

Six Inch, Two-Fold.

1-inch wide; square joint; unbound; marked in 8-10-12-16ths. Accurately machined slide; average weight per dozen, 1 pound.

½ dozen in a box.



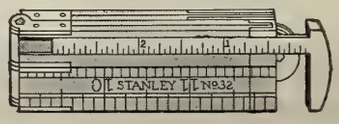
No. 372. Lufkin. (No. 36½.) List per dozen 16.50

Caliper.

One-Foot, Two-Fold.

1⅜-inch wide; square joint; unbound; marked 8-10-12-16ths; 6-inch caliper slide; average weight per dozen, 1¾ pounds.

½ dozen in a box.



No. 32. Stanley. List per dozen 16.50

Caliper.

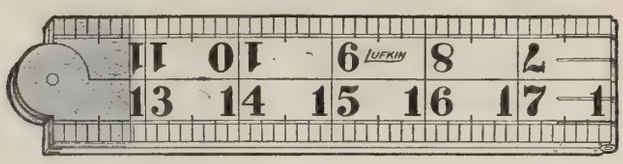
One-Foot, Four Fold.

1-inch wide; arch joint; edge plates; marked in 8-10-12-16ths; brass caliper slide machined to accurately fit the "T" slot; average weight per dozen, 1½ pounds.

½ dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

BOXWOOD RULES



No. 3752B. Lufkin. List per dozen 17.00

Blindman's.

Three-Foot, Four-Fold.

1⅝ inches wide; square joint; middle plate; marked in 8ths, 16ths inches, specially adapted for use in poorly lighted places or for persons with poor eyesight; average weight per dozen, 3 pounds.

1/2 dozen in a box.

ZIG-ZAG RULES

"LUFKIN."

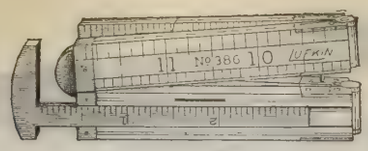
Nos.	1204	1205	1206
List per dozen	28.80	35.20	42.00
App. wt. doz., lbs.	2	3	5

Aluminum; Bright Finish.

9/16 inches wide; 1/32 inch thick; black cut figures and markings, spring brass cupped joints; 6 inch folds, graduated on both sides in consecutive inches and 16ths.

½ dozen in a box.

BOXWOOD RULES



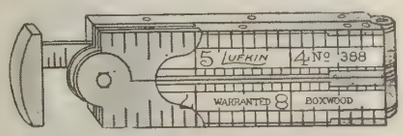
No. 386. Lufkin. (No. 32). List per dozen 17.30

Caliper.

One-Foot, Four-Fold.

1-inch wide; arch joint; edge plates; marked in 8ths, 10ths, 12ths, 16ths; brass caliper slide machined to accurately fit the "T" slot; average weight per dozen, 1½ pounds.

1/2 dozen in a box.



No. 388. Lufkin. (No. 32½.) List per dozen 25.00

Caliper.

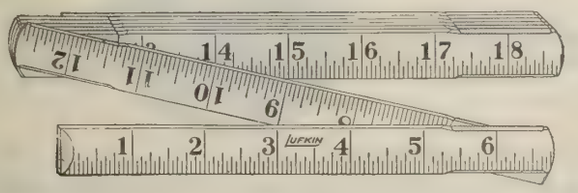
One-Foot, Four-Fold, Full Bound.

1-inch wide; arch joint; full bound; marked in 8-10-12-16ths; brass caliper slide machined to accurately fit the "T" slot; average weight per dozen, 1¾ pounds.

½ dozen in a box.

ZIG ZAG RULES

Made of the finest grade flexible wood, thoroughly seasoned; metal joints and trimmings are plated.



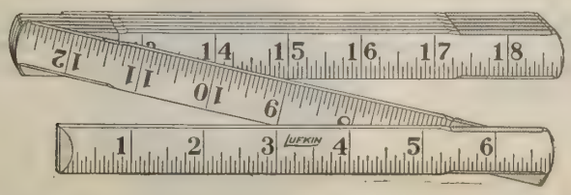
No. 310. Lufkin.

Length, feet	4	5
List per dozen	6.60	8.50
Average weight dozen, lbs.	2	2½

Yellow Enamelled.

⅝-inchs wide; 6-inch folds; black figures and markings; concealed joints; marked on both sides in consecutive inches and 16ths.

½ dozen in a box.



No. 315. Lufkin.

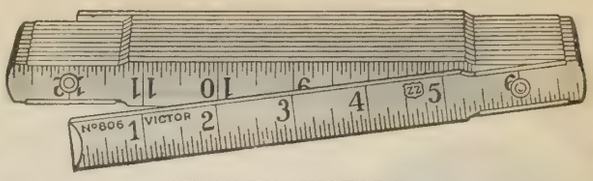
Length, feet	3	4	5
List per dozen	5.40	7.20	9.00
Average weight dozen, lbs.	1½	2	2½

White Enamelled.

⅝-inches wide; 6-inch folds; black figures and markings; concealed joints; marked on both sides in consecutive inches and 16ths.

½ dozen in a box.

ZIG ZAG RULES



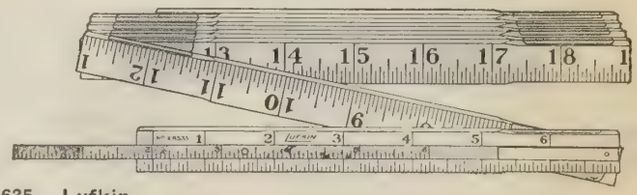
STANLEY "VICTOR."

No.	804	805	806
List per dozen	6.30	7.80	9.40
Length, feet	4	5	6
Average weight dozen, lbs.	2	2½	3

Yellow Enamelled.

Flexible hardwood; highly enamelled; ⅝-inchs wide; 6-inch folds; black figures and markings; brass plated joints and tips; concealed spring steel cupped joints; graduated on both sides in consecutive inches and 16ths.

½ dozen in a box.

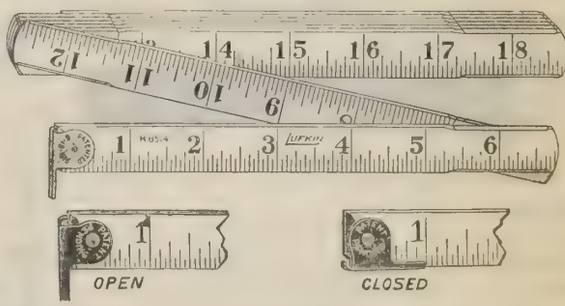


No. 635. Lufkin.
6-foot. List per dozen 24.70

Boxwood Extension Rule, with Brass Slide.

⅝-inch wide; 6-inch folds; black figures and markings; concealed joints; marked on both sides in consecutive inches and 16ths; first section fitted with brass slide which cannot come loose; particularly adapted for taking inside measurements; average weight per dozen, 4¼ pounds.

½ dozen in a box.



"LUFKIN."

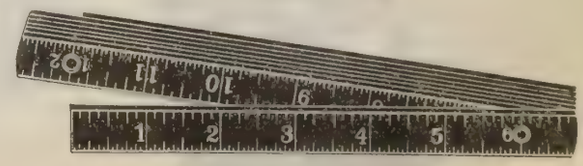
No. 312. Yellow Enamelled.
6-foot. List per dozen 10.60

No. 316. White Enamelled.
6-foot. List per dozen 11.50

With Folding Hook.

⅝-inch wide; 6-inch folds; black figures and markings; concealed joints; fitted with small hook on first end of rule; marked in consecutive inches and 16ths. Specially adapted for taking measurements out of arm's reach; average weight per dozen, 2½ pounds.

½ dozen in a box.



"STANLEY."

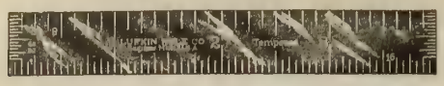
No.	424	426
List per dozen	30.50	44.10
Length, feet	4	6
Av. wt. dozen, lbs.	4	6

Aluminum, Black Finish.

½-inch wide, 3/32-inch thick; raised white figures and markings; concealed rivetted spring steel cupped joints; 6-inch folds; graduated on both sides in consecutive inches, 8ths and 16ths; average weight per dozen, 4 pounds.

½ dozen in a box.

STRAIGHT STEEL RULES



"LUFKIN."

No. 2604.		
Length, inches	6	12
List per dozen	20.50	39.50
Width, inches	¾	1
Average weight dozen, oz.	7	17

Half Flexible.

Marked one side 8/16ths, other side 32/64ths, ends 32nds. Finest quality spring tempered steel, polished; thickness about 1/50th inch; machine divided; readable graduations.

½ dozen in a box.

"LUFKIN."

No. 2702.		
Length, inches	6	12
List per dozen	9.10	14.80
Width, inches	¾	1⅛
Gauge	21	19
Average weight dozen, lbs.	¾	2¼

Marked one side only 8-16-32-64ths. Tempered steel, polished; English pattern; one rounded end with hole; machine divided.

½ dozen in a box.

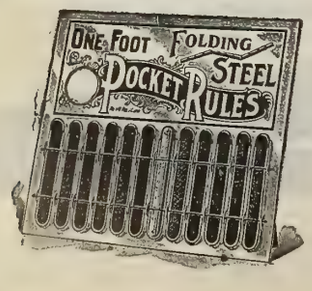
"LUFKIN."

No. 2703.		
Length, inches	6	12
List per dozen	13.40	19.60
Width, inches	¾	1⅛
Gauge	21	19
Average weight dozen, lbs.	¾	2¼

Marked both sides, one side 8-16ths, other side 8-16-32-64ths. Tempered steel, polished; English pattern; one rounded end with hole; machine divided.

½ dozen in a box.

FOLDING STEEL POCKET RULES



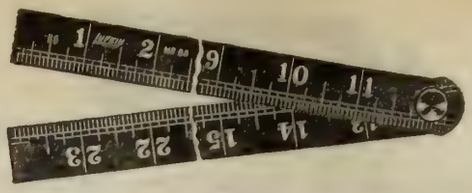
No. 041. List per dozen 3.20

One-Foot, Three-Fold.

Finest quality spring steel; 3/8-inch wide; 28 gauge; marked in inches and 16ths; in leatherette metal edged case for carrying in the vest pocket; mounted one dozen on a display card; average weight per dozen, 11 ozs.

1 dozen on a card.

FOLDING STEEL RULES



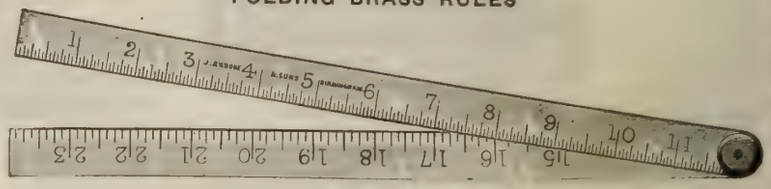
"LUFKIN."

No. 85. 2-foot. List per dozen 21.60

Marked one edge, both sides 8-16ths. Tempered steel, polished; ¾-inch wide; 21 gauge; 12-inch stop joint; average weight per dozen, 2 pounds.

1 dozen in a box.

FOLDING BRASS RULES



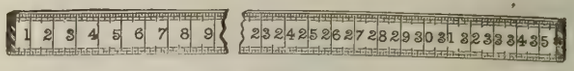
"RABONE."

No. 1243. 2-foot. List per dozen 10.00

Marked one edge, both sides 8-16ths, hard brass; ¾-inch wide; 19 gauge; round joint; average weight per dozen, 3 pounds.

1 dozen in a box.

GLAZIERS LATHS



"RABONE."

No. 1136. 4-foot. List per dozen 32.40

Polished boxwood; 1¾ inches wide, 3/16-inch thick; heavy brass tips; marked on all four edges in 8ths and inches; average weight per dozen, 6 pounds.

½ dozen in a bundle.

YARD STICKS

No. 41. List per dozen 10.40

Polished, seasoned Maple; 1¼ inches wide, ¼-inch thick; brass tips; graduated on one side in 8ths and inches, other side fractions of a yard; average weight per dozen, 2¾ pounds.

½ dozen in a bundle.

COUNTER MEASURES

No. 37. List per dozen 21.60

Pressed steel; nickel plated, polished on one side; width 3/4 inches; marked 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8 and 1 yard; punched for four No. 6 round head screws; average weight per dozen, 3 3/4 pounds.

Open Stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

STEEL TAPE ASSORTMENTS

"LUFKIN."

No. 6. List per assortment 32.00

Consists of the following 4 Tapes:

No. 550. 25 ft. tape; black auto leather case, 2¾ inches diameter.

No. 553. 50 ft. tape; black auto leather case, 3¼ inches diameter.
No. 263. 50 ft. tape; Russet leather case 3 5/16 inches.

No. 243. 50 ft. tape; Nickel plated steel case; knurled side.

Steel tapes 3/8 inches wide; black nubian finish, instantaneous reading marked feet, inches and 8ths.

Heavy metal display tray 10¼ x 12½ inches; black satin finish; tapes held in position by three small lugs; flat metal easel on the back to stand in upright position; retail prices attached to the back; the numbers and lengths are shown directly under each tape, also space for retail price; average weight per assortment, 4¾ pounds.

1 Assortment in a carton.

MEASURING TAPES

"LUFKIN."

No. 503—
50-Feet. List per dozen 67.70

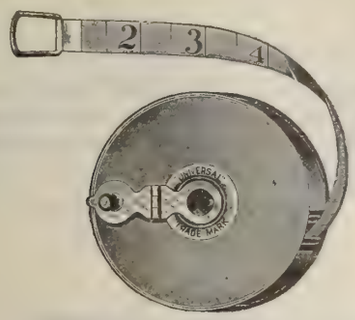
Metallic Tape.

Hard leather case; 4¼ inches diameter; metal lined; folding handle; nickel plated trimmings; best linen tape with metallic warp; 5/8 inch wide marked feet and inches on one side only; average weight per dozen, 10½ pounds.

1/12 dozen in a box.

LUFKIN MEASURING TAPES

Lufkin steel and metallic tapes are marked with instantaneous readings; this consists of repeating the foot mark after each inch, which brings the total reading directly before the eye eliminating all possibility of error. Nubian finish designates the style of finish supplied on all etched steel tapes. The ribbon is given a dead black finish and the graduations appear in the bright natural color.



No.	711	713	714
List per dozen	10.40	13.00	15.60
Feet	33	50	66
Diam., case ins.	3	3 3/8	4 1/8
Av. wt. doz., lbs.	3	4	5

"Universal" Ass Skin.

Brass bound cream enamelled case; brass folding handle; ½-inch tape; marked in feet, inches and ¼ inches.

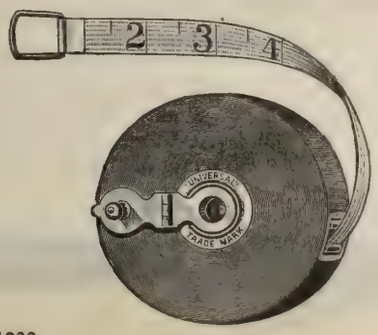
1/2 dozen in a box.

No. 504.
66-feet. List per dozen 75.60

Metallic Tape.

Hard leather case; 5 inches in diameter; metal lined; folding handle; nickel plated trimmings; best linen tape with metallic warp; 5/8-inch tape marked feet and inches on one side only; average weight per dozen, 11¼ pounds.

1/12 dozen in a box.

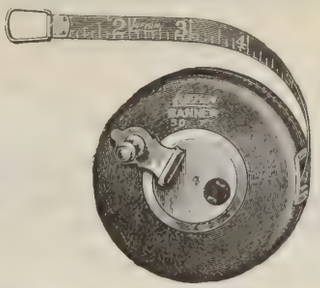


No. 1033.
50-feet. List per dozen 38.40

"Universal"

Pressed leather enamelled case, 3¾ inches in diameter; folding handles; unbleached linen, strong and durable; ½-inch corded linen tape, marked in feet and inches; average weight per dozen, 4¾ pounds.

1/2 dozen in a box.

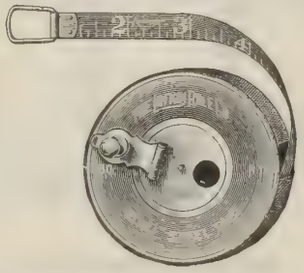


No. 553.
50-feet. List per dozen 96.00

"Banner" Steel Tape.

Mottled black auto leather case, 3¼ inches diameter; metal lined; nickel plated trimmings; folding flush handle; 3/8-inch tape marked feet, inches and 8ths; one side only; average weight per dozen, 9 pounds.

1/12 dozen in a box.

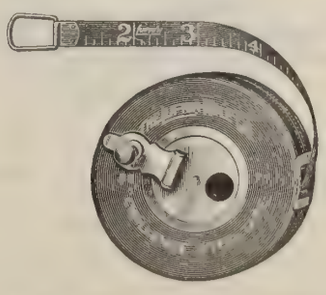


No.	243	244
List per dozen	103.20	126.00
Feet	50	66
Diam. case, ins.	3 3/16	3 7/8
Av. wt. doz., lbs.	8¼	10½

"Rival" Steel Tape.

Nickel plated case; folding handle; knurled edges which affords firm grip when winding; 3/8-inch tape marked feet, inches and 8ths, on one side only.

1/12 dozen in a box.

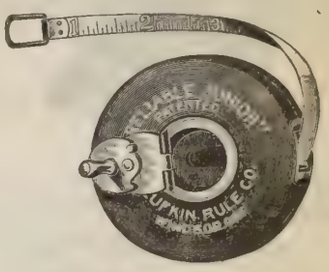


No.	263	266
List per dozen	116.40	187.20
Feet	50	100
Diam., case, ins.	3 5/16	4½
Av. wt. doz., lbs.	9	15¾

"Challenge" Steel Tape.

Finest grade russet leather case; metal lined; nickel plated trimmings; folding flush handle; 3/8-inch tape; marked feet, inches and 8ths, one side only.

1/12 dozen in a box.

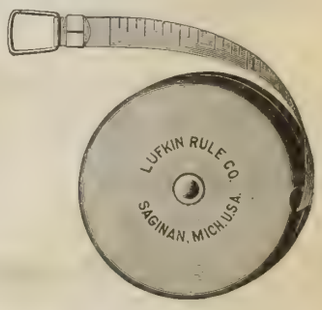


No.	100	103
List per dozen	86.40	124.80
Feet	25	50
Diam. case, ins.	2¼	2¾
Av. wt. doz., lbs.	3	4½

"Reliable Junior" Steel Tape.

Finest grade russet leather case; double folding flush handle; nickel plated trimmings; ¼-inch tape; marked feet, inches and 16ths; one side only.

1/12 dozen in a box.

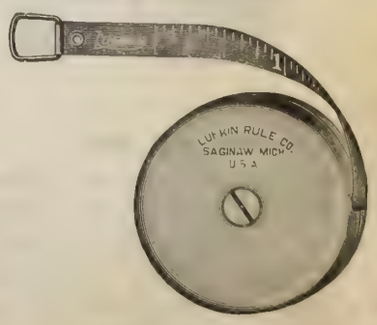


No.	173	175
List per dozen	11.10	13.50
Inches	36	60
Diam., case, ins.	1 3/8	1 5/8
Av. wt. doz., lbs.	¾	1

Pocket Linen Tapes.

Nickel plated; round edge case; spring wind, centre stop; ¼-inch enamelled tape; marked in inches and 8ths.

1/2 dozen in a box.



No.	143	145
List per dozen	15.40	19.40
Inches	36	60
Diam. case, ins.	1 3/8	1 5/8
Av. wt. doz., lbs.	1	1¼

Pocket Steel Tapes.

Nickel plated; round edge case; spring wind; centre stop; ¼-inch tape; marked in inches and 16ths.

1/2 dozen in a box.

LUFKIN MEASURING TAPES

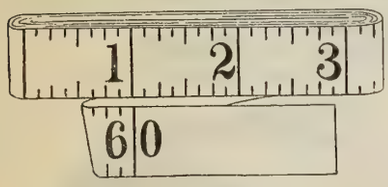
No. 165.
60-inches. List per dozen 3.40

"Universal" Pocket Tapes.

Nickel plated case 1 5/8 inch diameter, spring wind; centre stop; 1/4 inch painted cotton tape with black figures and markings in inches and 8ths; average weight per dozen, 3/4 pound.

1 dozen in a display box.

TAILORS' TAPES



"RABONE'S"

No. 477.
60-inch. List per dozen 3.30

Metallic.

Painted linen; ⅝-inch wide; marked in inches, and 8ths; average weight per dozen 1¾ pounds.
1 dozen in a bundle.
3 dozen in a package.

SPEED INDICATORS

No. 104. List each 2.80

Starrett's High Speed.

Full nickel plated; enclosed working parts; dial plate has two rows of figures reading left or right; rotating disc may be moved to starting point by friction. When the spindle is placed in connection with the revolving shaft, pressing the raised knob with the thumb will prevent the disc from rotating, while the hand of the watch gets to the right position to take the time. By releasing the pressure the disc is liberated for counting the revolutions of the shaft when every 100 may be noted by feeling the knob pass under the thumb lightly pressed against it, thus relieving the eye which has only to look on the watch to note the time. With rubber tips for pointed or hollow centre shafts. Length 4½ inches; average weight each, 4½ ounces.

1 in a box.

WIRE GAUGES

ENGLISH STANDARD

No. 1268. List each 5.50

1 to 26 Gauge.

Polished steel; hardened and tested; accurate; used extensively for gauging soft iron wire; length 4⅛ inches, width 1 inch; average weight each, 2 ozs.

1 dozen in a box.

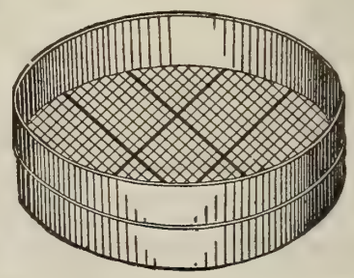
Sizes of English Standard Wire Gauge

Gauge No.	Decimal parts of an inch	Gauge No.	Decimal parts of an inch
1	.300	14	.080
2	.276	15	.072
3	.252	16	.064
4	.232	17	.056
5	.212	18	.048
6	.192	19	.040
7	.176	20	.036
8	.160	21	.032
9	.144	22	.028
10	.128	23	.024
11	.116	24	.022
12	.104	25	.020
13	.092	26	.018

FOUNDRY RIDDLES

or

Contractors Hand Sieves.



No.	2	4	6	8	10	12
List doz.	28.00	28.00	28.00	28.00	28.00	28.00
Mesh, ins.	2	4	6	8	10	12

18-inch Diameter.

Half double thick bent wood rim; 3½-inches deep; black wire mesh; four galvanized wire cross braces; average weight per dozen, 35 pounds.

1/2 dozen in a box.

BRICK TROWEL HANDLES

"Disston." List per dozen 4.50

Gumwood; natural finish; long polished steel ferrule; for No. 10 Philadelphia pattern brick trowels; length 6 inches; average weight per dozen, 2½ pounds.

Open Stock.

POINTING TROWELS

No. 50.
5½-inch. List per dozen 2.80

Bright rolled steel blade 2 5/8 inches wide; rivetted shank; 4½-inch hardwood handle; steel ferrule; average weight per dozen, 3¼ pounds.

1 dozen in a box.

No. 297.

Length, ins.	4½	5	5½
List dozen	10.50	10.70	11.00
Width, ins.	2 3/8	2 3/8	2 5/8
App. wt. doz., lbs.	2 3/4	3	3 1/4

Polished cast steel blade; solid steel shank; plain hardwood handle.

1 dozen in a box.

"DISSTON."

No. 15.

Length, ins.	5	5½
List dozen	17.70	18.60
Width, ins.	2½	2½
App. wt. doz., lbs.	2½	2¾

Highest quality steel blade, carefully tempered, ground and polished; solid shank; flexible point; steel ferrule; plain gumwood handle.

1/2 dozen in a box.

BRICK TROWELS

No. 55.
9½-inch. List per dozen 5.60

Polished cast steel; rivetted steel shank; polished steel ferrule; stained hardwood handle; width at heel 4 3/8 inches; average weight per dozen, 12 pounds.

1 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

WIRE GAUGES

"BOKER."

No. 605. List each 3.30

Double Circular, 1 to 26 Gauge.

Best grade steel nickle plated and polished; diameter 1 1/16 inches; length opened, 1 5/16 inches; held together by rivet; average weight per dozen, 3 lbs.

6 in a box.

PLASTERING TROWELS

"MARSHALLTOWN."

No. 3. 11 inches. List per dozen 54.40

Finishing.

Finest crucible, polished, spring steel blade, ground slightly concaved with flexible point; malleable iron mounting and shank fastened with ten rivets; plain soft wood handle through tang; width, 4¾ inches; average weight per dozen, 12½ pounds.

1/3 dozen in a box.

BRICK CHISELS

No. 203. List per dozen 19.20

Offset Blade; Width 3½ Inches.

Finest quality tool steel, hand forged; hardened and tempered, single bevel; offset; length over all, 6¾ ins.; width of blade 3½ inches; diameter of handle, 3/4 inches; average weight per dozen, 12¾ pounds.

1 dozen in a box.

BRICK JOINTERS

Nos.	197	199
List per dozen	8.00	12.00
Convex end, ins. thick	1/4	1/4
Concave end, ins. thick	1/4	5/16
App. wt. doz., lbs.	3½	5¼

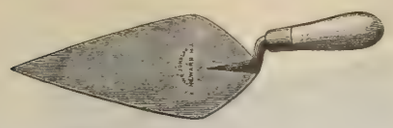
S Pattern.

Fine tempered steel; natural finished shank; polished ends.

1 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

BRICK TROWELS



No. 289.
11-inch. List per dozen 31.20

London Pattern.

Polished cast steel blade; solid steel shank; polished steel ferrule; plain hardwood handle; narrow round heel 4⅝ inches wide; average weight per dozen, 10½ pounds.

1/2 dozen in a box.

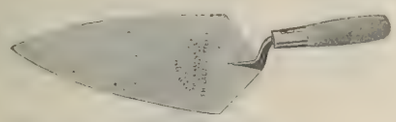
"DISSTON'S."

No. 5.
12-inch. List per dozen 44.70

London Pattern.

Highest grade steel, carefully hardened, tempered and ground; solid shank; steel ferrule; gumwood handle; rounded narrow heel 4¾ inches wide; average weight per dozen, 12½ pounds.

1/2 dozen in a box.



"DISSTON'S."

No. 10.

Length, (Blade), ins.	11	11½
List per dozen	44.70	46.70
Width, ins.	5½	5½
App. wt. doz., lbs.	14	15

Philadelphia Pattern.

Highest grade steel, carefully hardened, tempered and ground; solid steel shank; polished steel ferrule; square heel; gumwood handle.

1/2 dozen assorted "lifts" in a box.

ROSE.

No. 1110.

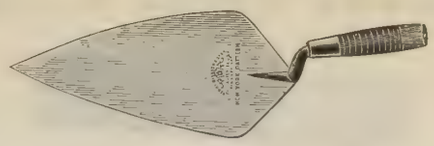
Length, blade, ins.	10½	11	11½
List per dozen	50.00	52.50	54.00
Width heel, ins.	5¼	5¼	5¼
Av. wt. doz., lbs.	13½	14	14½

Philadelphia Pattern.

Polished crucible steel blade, carefully tempered; solid shank; steel ferrule; 6-inch polished hardwood handle.

1/2 dozen in a box.

BRICK TROWELS



"DISSTON'S."

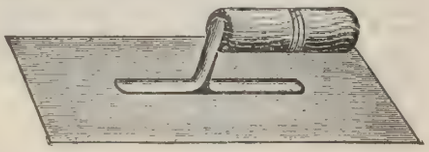
No. 111.
11½-inch. List per dozen 55.90

New York Pattern.

Highest grade steel, carefully hardened, tempered and ground; solid steel shank passes through handle and is rivetted; long polished steel ferrule; handle has leather grip; width at heel 6⅛ ins.; average weight per dozen, 16 pounds.

1/2 dozen assorted "lifts" in a box.

PLASTERING TROWELS



No. 500.
10-inch. List per dozen 7.00

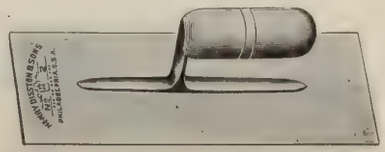
Bright rolled steel blade; 2 piece malleable iron mounting and shank fastened to blade with three rivets; width 4½ inches; plain hardwood handle; average weight per dozen, 10½ pounds.

1/2 dozen in a box.

No. 298.
11½-inch. List per dozen 32.40

Polished rolled steel blade; malleable iron mounting and shank fastened with rivets; plain hardwood handle; through tang; width 5 inches; average weight per dozen, 16 pounds.

1/4 dozen in a box.



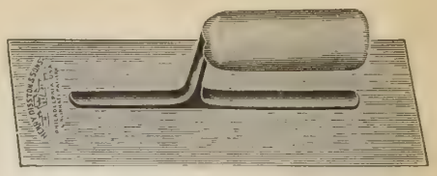
"DISSTON'S."

No. 2.
11½-inch. List per dozen 46.00

Extra quality polished steel blade, carefully hardened, tempered and ground; malleable iron mounting and shank fastened to blade with three rivets; width 4¾ inches; plain basswood handle; average weight per dozen, 13 pounds.

1/2 dozen in a box.

PLASTERING TROWELS



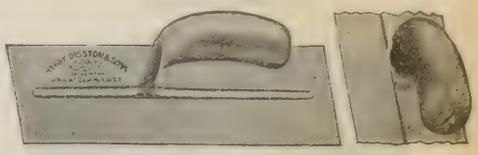
"DISSTON'S."

No. 21.
11½-inch. List per dozen 48.50

"Cincinnatti."

Extra quality polished steel blade, carefully hardened tempered and ground; malleable iron mounting and shank; five rivets; through tang; polished poplar wood handle; width 4 13/16 inches; average weight per dozen, 14½ pounds.

1/2 dozen in a box.



"DISSTON'S."

No. 38.
11½-inch. List per dozen 61.30

Finishing.

Highest grade polished crucible steel blade, improved tempered, accurately ground, extra thin, 24 gauge, slightly concaved; extra long malleable iron mounting secured with ten rivets; specially shaped, plain basswood handle; width 4 13/16 inches; average weight per dozen, 12 pounds.

1/2 dozen in a box.

MARSHALLTOWN.

No. 4.
11½-inch. List per dozen 62.40

Finishing.

Finest crucible, polished, spring steel blade, ground slightly concaved with flexible point; malleable iron mounting and shank fastened with ten rivets; plain soft wood handle; through tang; width 4¾ inches; average weight per dozen, 13½ pounds.

1/3 dozen in a box.

Corner. List per dozen 12.00

6-inch polished, cast steel blade; each face 2½ inches wide, set at right angles; malleable iron mountings and shank securely rivetted; plain hardwood handle 4 inches long; average weight per dozen, 9 pounds.

1/2 dozen in a box.

OIL AND WATER STONES

CARBORUNDUM.

No. 149. List per dozen 4.20

Pocket Stones.

Size 3 x 7/8 x 3/8-inch. This little stone is made of the finest Carborundum powder; particularly adapted for sharpening pocket knives, scissors and small tools; put up in a neat, buff colored carton, 2 dozen mounted on a lithographed metal display stand; average weight per carton, 2¼ pounds.

2 dozen in a box.

CARBORUNDUM.

No. 150. List per dozen 4.20

Pocket Stone.

Round; 2 inches diameter; ¼ inch thick; made of the finest Carborundum powder; particularly adapted for sharpening pocket knives, scissors and small tools; average weight per dozen, 10 ozs.

1/12 dozen in a carton.

CARBORUNDUM.

No. 142. List per dozen 13.80

Size, 4 x 1¾ x ½-inch; fine grit; average weight each, ¼ pound.

No. 119. List per dozen 28.80

Size, 8 x 2 x ¾-inch; medium grit; average weight each, 7/8 pound.

Sharpening Stones

Made from Carborundum; superior for rapid cutting; used dry or with water or oil; are quite porous, and may be tempered in their cutting by filling with wax or vaseline.

1/2 dozen in a box.

CARBORUNDUM.

No. 158. List per dozen 26.40

Extra Hard, Fine Grit.

Size 6 x 2 x 1-inch.

Made of the finest of the Carborundum grain and graded very hard; made for all tools that require an extra fine, delicate edge; average weight each, 14 ozs.

1/12 dozen in a box.

CARBORUNDUM.

No. 109. List per dozen 26.40

Size, 6 x 2 x 1-inches; average weight each, 12 ounces.

No. 110. List per dozen 31.60

Size, 7 x 2 x 1-inches; average weight each, 16 ounces.

Combination Stones.

Made with one face of course and one face of very fine grit; the coarse side can be used for sharpening dull tools, the fine side to bring the required keen, sharp edge; designed especially for carpenters and mechanics.

1/12 dozen in a box.

"QUICKCUT."

Size 6. List per dozen 6.40

Size 6 x 2 x ¾-inch; average weight per dozen, 10½ pounds.

Size 7. List per dozen 8.00

Size 7 x 2 x 1-inch; average weight per dozen, 15½ pounds.

Combination Bench Stone.

Made from a good grade of emery; one side coarse and the other side fine grit; a satisfactory stone for general use.

1/12 dozen in a box.

"WASHITA."

Size 1 x 8. List each 1.60

Bench Stone.

No. 1 grade; medium grit; for general use; size 8 x 2-inches; average weight per dozen, 15 pounds.

1 in a box.

"WASHITA."

No. 1 x 7. List per dozen 20.00

Mounted Bench Stone.

No. 1 grade medium grit; for general use; size 7 x 2 inches; mounted in stained hardwood box; average weight each, 1¼ pounds.

1/12 dozen in a box.

"ROSY RED."

Size 8. List each 2.60

Bench Stone.

A soft, fast cutting stone; streaked with a dull red color; even, porous grit, a little coarser than the Lily White; size 8 x 2 inches; average weight per dozen, 15 pounds.

1 in a box.

"LILY WHITE."

Size 8. List each 2.60

Bench Stone.

The best selection of Washita possible to obtain; uniform in texture; perfectly white; soft coarse grit; most satisfactory for carpenters' and general wood workers tools; size 8 x 2 inches; average weight per dozen, 15 pounds.

1 in a box.

"INDIA."

No. 11½. List per dozen 46.80

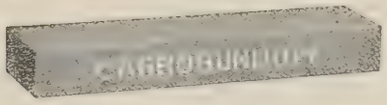
Combination Bench Stone.

Size 7 x 2 x 1 inch; one side coarse for grinding and the other side fine for finishing edge; average weight per dozen, 16 pounds.

1/12 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

OIL AND WATER STONES



"CARBORUNDUM."

No. 131. List per dozen 14.80

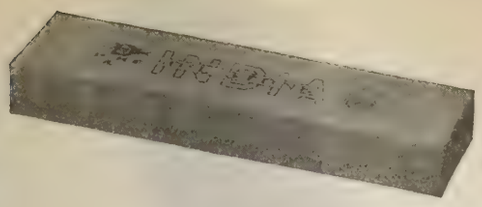
Size, 6 x 1½ x 1/2-Inch; Medium Grit.

Made from Carborundum; superior for rapid cutting; used dry or with water or oil; quite porous, and may be tempered in their cutting by filling with wax or vaseline; average weight per dozen, 4 pounds.

1/12 dozen in a carton.

1/2 dozen in a package.

OIL AND WATER STONES



INDIA.

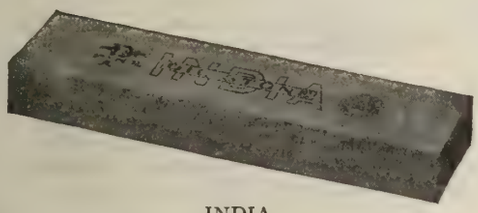
No. 2. List per dozen 23.00

Size 6 x 1⅝ x ¾-inch; average weight per dozen, 8¾ pounds.

Bench Stone.

Medium grit; a hard, fast cutting stone; for ordinary sharpening of mechanics' tools not requiring finishing edge.

1/12 dozen in a box.



INDIA.

No. 1½. List per dozen 34.80

Size 7 x 2 x 1-inch; average weight per dozen, 16 pounds.

Bench Stone.

Medium grit; a hard, fast cutting stone; for ordinary sharpening of mechanics' tools not requiring finishing edge.

1/12 dozen in a box.

OIL AND WATER SLIPS

"WASHITA."

No. 2 x 4. List per dozen 3.00

Round Edge.

No. 2, quality; second grade stone not so even in grit as the No. 1, quality; serviceable for general work.

Size: 3¾ to 4½ inches long, 1¾ to 2 inches wide, ⅜ to ½ inch thick at back, ⅛ to ¼ inch thick at front edge; average weight per dozen, 2½ pounds.

1 dozen in a box.

"WASHITA."

No. 1 x 4. List per dozen 4.60

Round Edge.

No. 1 quality; uniform and well finished; for general purpose work.

Size: 3¾ to 4½ inches long, 1¾ to 2 inches wide, 3/8 to ½ inch thick at back, 1/8 to 1/4 inch thick at front edge; average weight per dozen, 2½ pounds.

1 dozen in a box.

OIL AND WATER SLIPS

"WASHITA."

No. 1 x 5. List per dozen 6.80

Round Edge.

No. 1 quality; uniform and well finished; for general purpose work.

Size: 4¾ to 5½ inches long, 1¾ to 2 inches wide, 3/8 to ½ inch thick at back, 1/8 to ¼ inch thick at front edge; average weight per dozen, 3 pounds.

1 dozen in a box.

"LILY WHITE."

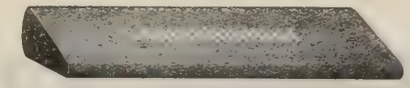
Size 5. List per dozen 9.60

Round Edge.

Best selection of Washita possible to obtain; uniform in texture; nicely finished.

Size:—4¾ to 5½ inches long, 1¾ to 2 inches wide, ⅜ to ½ inch thick at back; ⅛ to ¼ inch thick at front edge; average weight per dozen, 3 pounds.

1 dozen in a box.

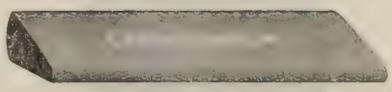


CARBORUNDUM.

No.	183	184
List dozen	13.80	13.80
Length, ins.	4½	4½
Width, ins.	1¾	1¾
Thickness, back, ins.	½	½
Thickness, front, ins.	3/16	3/16
Grade	5	medium
App. wt. doz., lbs.	2½	2½

Made from carborundum; superior for rapid cutting; used dry, or with water or oil; porus, may be tempered in their cutting by filling with wax or vaseline.

1/12 dozen in a carton.



CARBORUNDUM.

No. 180. List per dozen 19.20

Fine Grade.

Made from Carborundum; superior for rapid cutting; used dry, or with water or oil; porus, may be tempered in their cutting by filling with wax or vaseline.

Size:—4½ inches long, 2⅛ inches wide, ⅝ inches thick at back, 5/16 inches thick at front edge; average weight per dozen, 4 pounds.

1/12 dozen in a carton.

AXE STONES

WATER-OF-AYR.

3 x 1¼ x ½. List per dozen 1.50

Tam O'Shanta; natural stone, grey color; imparts a keen edge to axes etc.; oil should not be used on these stones; average weight per dozen, 3¾ pounds.

Open Stock.

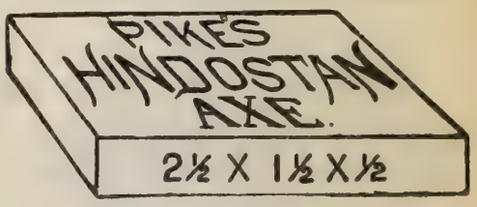
"QUICKCUT."

2½ x 1¾ x ½. List per dozen 2.40

Combination Stone.

Made from a good grade of emery; with one side coarse and the other side fine grit; satisfactory; average weight per dozen, 2¼ pounds.

1 dozen in a box.



"HINDOSTAN."

2½ x 1½ x ½. List per pound. ..... .42

A rapid cutting, sharp grit, soft sand stone; used with either oil or water; average weight per dozen, 2¼ pounds.

Open Stock.

CARBORUNDUM.

No. 193. List per dozen 7.50

Size 2½ x 1½ x ½ inch; average weight per dozen, 1 pound.

No. 194. List per dozen 9.60

Size 3 x 1½ x ½ inch; average weight per dozen, 1¼ pounds.

Made from carborundum; will quickly produce a sharp, keen edge.

No. 193, ½ dozen in a package.

No. 194, 1/12 dozen in a box.

MOWER FILES

CARBORUNDUM.

No. 57. List per dozen **16.80**

A general abrasive tool for sharpening mower-section and ensilage knives, scythes, etc. etc. 9 inches long with 5 inch wood handle; one of the handiest of abrasive tools; average weight per dozen, 18 pounds.

1 dozen in a box.

SCYTHE STONES

Green Mountain. List per gross **25.70**

A fine, sharp gritted stone; quick cutting; flat sides, round edges; size 9¾ x 1¼ x ½ inch; average weight each, 10 ozs.

1 gross in a box.

INDIAN POND.

No. 1. List per gross **27.60**

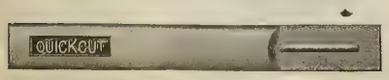
The original Pike Red End; gives a quick, medium course edge; flat sides, round edges; size 9¾ x 1½ x ⅜ inch; average weight each, 9 ozs.

1 gross in a box.

Clear Grit. List per gross **30.00**

Full oval shape; extra sharp grit; sand bed finish; size 9⅝ x 1½ x ¾ inches; average weight each, 12 ozs.

1/4 gross in a box.



Quick Cut. List per gross **33.60**

A serviceable stone made of extremely fast-cutting emery; strengthened by a steel rod running its entire length; gives a medium coarse edge; oval, size 10 x 1⅜ x ½ inch; average weight each, 10 ozs.

1/4 gross in a box.

SCYTHE STONES

ROUND ENGLISH.

9½-inch. List per 100 ..... **44.00**

Made from fast cutting, course sand stone grit; gray color; generally used with water; 9½ inches long, 1¼ inches diameter at ends, 1½ inch diameter at centre; average weight each, 1¼ pounds.

1/4 hundred in a box.

"ALOXITE."

No. 188. List per dozen **5.50**

Size 10 x 1 3/8 x 9/16 inch; oval; a hard, sharp gritted stone, light brown in color; cuts quickly and easily; average weight per dozen, 8¼ pounds.

3 dozen in a box.

"ALOXITE."

No. 190. List per dozen **6.50**

10 inches long, 1 inch wide; made of Carborundum; fast cutting; gives a keen, sharp edge; does not gum or get smooth; average weight per dozen, 7 pounds.

1 dozen in a display carton.

"ALOXITE."

No. 192. List per dozen **7.50**

10 inches long, (heavy) 1⅜ inches wide; made of Carborundum; fast cutting; gives a keen, sharp edge; does not gum or get smooth; average weight per carton, 16 pounds.

1½ dozen in a carton with display stand.

SCYTHE STONE ASSORTMENTS

Assortment D. List each **8.70**

Contains 36 Stones.

9 Crescent. 9 Quick Cut.

9 Leader. 9 White Mountain.

Ranging from coarse to fine gritted stones; packed in a strong, well finished, hinged lid wood case, 12½ x 7¾ x 7 inch high; average shipping weight, 25 pounds.

SCYTHE STONE ASSORTMENTS

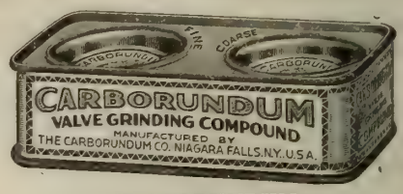
Assortment B. List each **18.00**

Contains 84 Stones.

12 Crescent.
12 Sun.
12 Quick Cut.
12 Leader Red End.
12 Willoughby Lake.
12 Black Diamond.
12 Premium Quinnebaugh.

Ranging from coarse fast cutting to fine gritted stones; packed in strong, well finished hinged lid, wood case 13 x 12½ x 9½ inches high; average shipping weight each, 65 pounds.

VALVE-GRINDING COMPOUND



CARBORUNDUM.

No. 277. List per dozen **9.50**

Grease-Bound, Combination Can.

A mixture of the hard, sharp, fast-cutting Carborundum grains and a high grade grease; for grinding gas-engine valves; also steam, gas or water tight joints etc.; the can carries both the fine and the course compounds in separate compartments; size of can 4 x 2⅛ x 1⅛ inches; average weight per dozen, 4¾ pounds.

1 dozen in a display carton.

CARBORUNDUM.

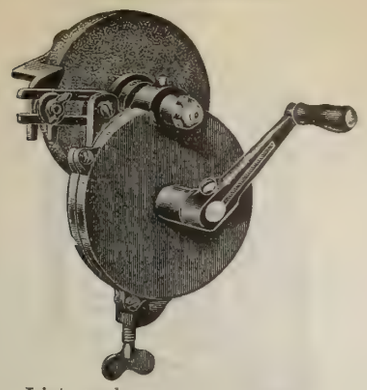
No. 366. List per dozen **9.50**

Water-Bound, Combination Can.

Hard, sharp, fast-cutting Carborundum grains mixed with water for grinding gas-engine valves; also steam, gas or water tight joints, etc. The can carries both the fine and the coarse compounds in separate compartments; size of can 4 x 2⅛ x 1⅛ inches; average weight per dozen, 4¾ pounds.

1 dozen in a display carton.

TOOL GRINDERS

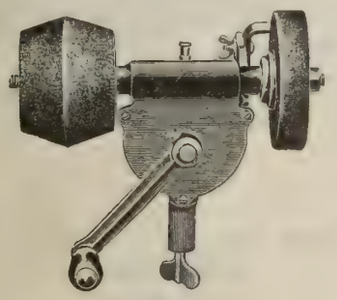


No. A. List each 5.30
4 x ¾ inch wheel; average weight each, 4½ pounds.

No. B. List each 6.80
5 x 1 inch wheel; average weight each, 6½ pounds.

No. C. List each 10.50
6 x 1¼ inch wheel; average weight each, 10 pounds.

A compact machine of the enclosed cut-gear type; smooth running and dirt-proof; japanned cast iron gear case; malleable iron clamp and handle; equipped with adjustable tool grinding guide.
1 in a carton.



PERFECTION.

No. 31. List each 17.00

Ball-Bearing.

Complete with one 4½ inch sickle wheel, one 5 x 1 inch grinding wheel, also attachments for holding sickle bar.

Best grade, japanned, cast iron gear case and frame; malleable iron clamp and handle with wood grip; fitted with brass oil cup; worm gear drive; dirtless, fast and easy running; clamp opens 2⅛ inches; average weight each, 16 pounds.
1 in a box.

GRINDSTONE FIXTURES

PLAIN.

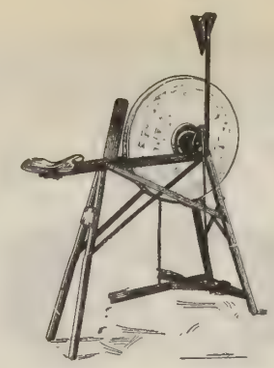
Length, shaft, ins.	15	17
List per dozen	16.00	17.00
Diam. shaft, ins.	⅞	⅞
For stones, lbs. (app.)	50	60
Av. wt. doz., lbs.	82	88

Japanned cast iron; double wheel covered bearings; threaded shaft with flanges and nut; 8 inch crank with wood handle.
1/2 dozen in a box.

EXTRA GRINDSTONE FIXTURE HANDLES

List per dozen 5.20

MOUNTED GRINDSTONES



RICHARDS-WILCOX.

No. 00. List each 13.50

Ball-Bearing.

Frame—Steel angles, well braced.

Bearings—Ball bearing axle and pedal rods.

Finish—Japan.

Stone—Good quality Berea grit, about 19 inches in diameter, 1¾ to 2 inch face.

Weight—Approximately 75 pounds.

Packing—1 in a crate, very easily set up.

RICHARDS-WILCOX.

No. 025. List each 17.00

Ball-Bearing.

Frame—Tubular steel, well braced, wide spread base, slightly flexible.

Bearings—Hinged connection with ball-bearing journals.

Finish—Red japanned.

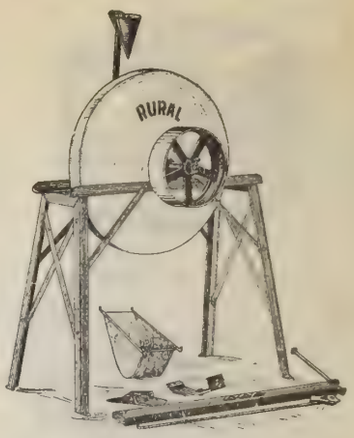
Stone—Quick grinding Berea grit, 20 to 22 inches diameter, 2 inch face; movable horizontally on frame.

Seat—Comfortable, springy, can be raised or lowered as desired.

Weight—Approximately, 82 pounds.

Packing—1 in a crate, easily set up.

MOUNTED GRINDSTONES



RICHARDS-WILCOX.

No. 015. List each 20.00

Rural Power Grindstone.

Frame—Heavy steel angles, securely braced; legs have flanges for screwing to floor.

Finish—Red, with black trimmings.

Stone—Finest quality genuine Berea grit, 22 inches diameter, 2 inch face.

Equipment—12 inch pulley with 2⅜ inch face, also a hand crank.

Measurements—Frame 27 inches high, 30 inches long, 19 inches wide on floor.

Weight—Approximately 115 pounds.

Packing—One in a crate knocked down.

LOOSE GRINDSTONES

Weight Pounds	Thickness, inches.		App. Diam. Ins.	List 100 lbs.
30-35	1¾	2	17	10.50
36-39	1¾	2	17	10.50
40-45	"	"	19	9.50
40-50	1½	"	22	9.50
46-50	2	2¼	22	8.50
51-55	"	"	22	8.50
56-60	"	"	22	8.50
61-70	2	2½	22	8.50
71-75	2¼	2¾	22½	8.50
76-80	"	"	22½	8.50
115-140	3	4	24	8.50

Diam. ins.	Thickness, inches.	List each.
12	2	1.60

Selected Lake Huron grit; without fittings; square hole in centre for shaft; sold at cut weights as shown on each stone; diameters as given above are approximate only; estimated weight of stone, 154 pounds per cubic foot.
Open Stock.

EMERY

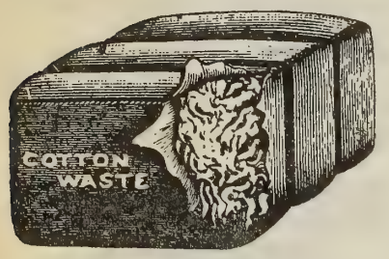
ACTON AND BORMAN.

Grain Nos.	List per pound.
20, 30, 40, 50, 60, 70, 80, 90, 100, 120.	.21
Flour	.10

In 10 Pound Packages.

Perfectly and uniformly ground from selected Turkish Emery stone; superior cutting power combined with extreme hardness and uniform size of grain; the number denotes the size of grain which correspondes to the mesh of screen (meshes to the inch) it will pass through.

COTTON WASTE



Standard, Colored. List per pound ..... .24
Commercial grade; a mixture of colored threads and oily filler.

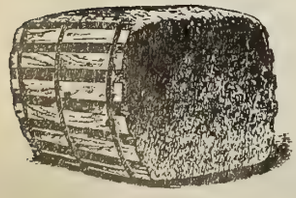
XLCR. White. List per pound. ..... .30
Good commercial grade; seventy per cent. threads with thirty per cent. filler.

XXX. White. List per pound ..... .34
Extra grade; one hundred per cent. threads.

For wiping and cleaning machinery etc.

In bales of 50 pounds.

OAKUM



Plumbers. List per bale 7.50
For plumbers use in caulking soil and other pipes, etc.

Clipper, Marine. List per bale 16.00
Extra quality; used for making seams in boats, etc. water tight.
Made from soft fibre saturated with pine tar.

In bales averaging 50 pounds.

SAND PAPER

24 sheets in a quire.
20 quires in a ream.
480 sheets in a ream
No. 00 finest, No. 3 coarsest grit.

MADE IN CANADA

HURON.

Nos.	00	0	1/2	1
List, ream	12.80	12.80	13.70	15.40
Av. wt. rm., lbs.	14	14 1/2	20	24

Nos.	1 1/2	2	2 1/2	3
List, ream	17.40	19.60	22.20	25.20
Av. wt. rm., lbs.	30	44	46 1/2	50

In sheets 8¾ x 10½ inches.

Standard grade paper, glue and flint.
1/2 ream in a package. 1 quire in a bundle.

Quires not broken.

BAEDER, ADAMSON.

Nos.	00	0	1/2	1
List, ream.	14.20	14.20	15.10	17.10
Av. wt. rm., lbs.	16¼	17½	22½	25

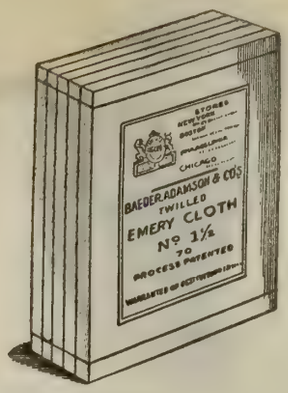
Nos.	1½	2	2½	3
List, ream.	20.00	23.10	26.50	30.20
Av. wt. rm., lbs.	31½	45	48	53

In sheets 9 x 11 inches.

Extra quality paper, glue and flint; uniformly ground and spread evenly with pure glue on manilla rope fibre paper.
1/2 ream in a package; 1 quire in a bundle.

Quires not broken.

EMERY CLOTH



BAEDER, ADAMSON.

Nos.	00	0	1/2	1
List, quire	3.80	3.80	4.00	4.20
Av. wt. qr., lbs.	1⅝	1¾	1⅞	2¼

Nos.	1½	2	2½	3
List, quire	4.30	4.70	5.20	5.70
Av. wt. qr., lbs.	2½	3	3¼	4⅛

In sheets 9 x 11 inches.

Extra quality twilled cloth and emery coating.

1 quire (24 sheets) in a paper.

Quires not broken.

SHEET GLUE

W.B. List per pound ..... .24

Ground

Largely used for sizing walls and ceilings, sizing paper, paper mill work, gluing cloth to wood; casket covering and paper box work.

H.H.2. List per pound ..... .40

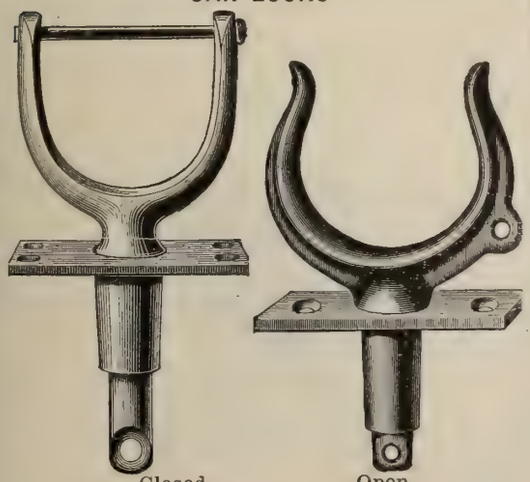
Flake

A good general purpose glue used for leather work, book binding, sizing etc.

Open stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

OAR LOCKS



Closed. Open.

Open. List per pair 1.00

With Plates and Sockets.

Malleable iron, galvanized; 2⅜ inches between horns at top; shank 2⅝ x 5/8 inches; plate 2⅞ x 1 inch with socket; average weight per pair, 1½ pounds.

Wired in pairs, open stock.

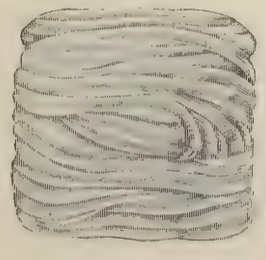
Closed. List per pair 1.00

With Plates and Sockets.

Malleable iron; galvanized; 2⅛ inches between horns at top; shank 2¾ x9/16 inches; plate 2⅞ x 1 inch, with socket; average weight per pair, 1¼ pounds.

Wired in pairs, open stock.

CALKING COTTON



No. 6. List per pound ..... .60

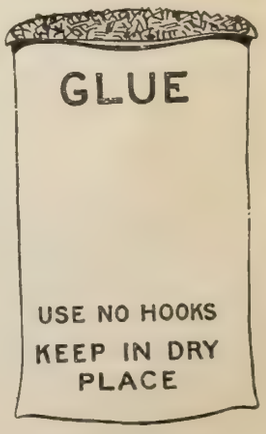
Four Ply.

Pure white cotton lightly spun in a continuous strand; used where very fine calking work is required on launches and boats, etc., where oakum is too coarse.

1 pound in a paper wrapper.

100 pounds in a bale.

SHEET GLUE



H. N. List per hundred pounds 27.50

Ground.

Fine grade, largely used for sizing walls, ceilings and paper, paper mill work, glueing cloth to wood, etc.

112 pounds in a bag.

H. B. List per hundred pounds 31.00

Finer grade; used for sizing, etc., paper mill work, glueing cloth to wood, casket covering and paper box work, also veneer work, etc.

112 pounds in a bag.

LIQUID GLUE

LePAGE'S

Highest grade, pure fish glue. In very convenient form; always ready for use; for wood, paper, stone, glass, cloth, etc.

LE PAGE'S.

In Bottles

No. 25. List per dozen 3.20

1 oz. Size.

Size 1⅜ x 1⅞ inches; with metal spreader as illustrated; each bottle in a carton, 1 dozen in a counter display stand; 1 gross in a case; average weight per dozen, 2⅞ pounds.

No. 26. List per dozen 4.00

2 oz. Size.

Size 1⅝ x 2½ inches; with metal handle brush; average weight per dozen, 4¼ pounds.

1 dozen in a box, 6 dozen in a case.

LE PAGE'S.

In Patent Tin Cans.

Nos.		wt. doz. lbs.	doz. in box.	List per doz.
29.	½ gill.	2¾	1	4.00
30.	1 gill.	4½	1	4.80
31.	½ pint.	8¾	2	8.00
32.	1 pint.	15½	1	13.60
33.	1 qrt.	38	1	24.00
34.	½ gall.	54	½	37.40
35.	1 gall.	120	½	72.00

LePage's is a liquid glue, universally known; it is put up in sizes to meet all requirements; a well advertised, high grade and profitable line.

LIQUID GLUE

LePAGE'S

No. 27. List per dozen 3.20

1 oz. Collapsible Tubes.

With spreader sealing plug; average weight per dozen, 1⅜ pounds; 1 dozen in a counter display carton; 12 dozen in a case.

MUCILAGE

LePage's. List per dozen 1.50

2 oz. Cone Bottles.

Fine quality; in wide bottom bottles with metal clip top and brush; average weight per dozen, 4 pounds.

1 dozen in a carton.

"KWIKSTIK"

Size	Cpcty., oz.	Weight per carton, lbs.	List dozen
1	1	5¾	2.50
2	1¼	7¼	3.20

"Kwikstick" is a fine quality mucilage of pure gum with maximum adhesive qualities, put up in bottles; these bottles are equipped with spring stopper and metal spreader making it quick and sanitary. There is no waste, no brush, no cork, no soiled fingers and it cannot spill or evaporate; packed in attractive display cartons of two dozen.

Sold in full cartons only.

HOUSEHOLD CEMENT

"Du Pont." List per dozen 6.00

For Bric-a-brac, etc.

A ready-to-use waterproof, transparent, pyroxylin cement, particularly adapted to home use. Always ready for use, easy to apply, makes strong permanent joints. Mends perfectly Bric-a-brac, wood, marble, leather, cloth, metal, ivory, pearl, china, cut glass and all ordinary materials. In screw stopper collapsible tubes; 4⅞ inches long over all; 1 inch diameter at top; average weight per dozen, 1¾ pounds.

1 dozen in a display carton.
Sold only in full cartons.

MENDETS

Small Size. List per dozen 2.40

Contains four Mendets, one each of the following sizes:—5/16, 7/16, 11/16, 1 inch, together with wrench for adjusting; average weight per dozen, 6 oz.

12 dozen in a box.

Large Size. List per dozen 5.00

Contains twelve Mendets, three each of the following sizes:—5/16, 7/16, 11/16, 1 inch, together with wrench for adjusting; average weight per dozen, 12 oz.

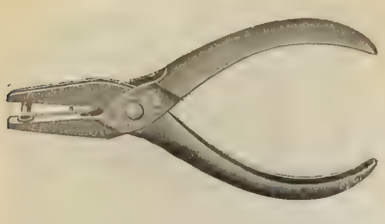
6 dozen in a box.

Cartons. List each 9.50

Contains two dozen small and one dozen large size boxes.

These Mendets consist of a tin disc fitted with a small threaded bolt, together with a cork washer, tin washer and nut; with them leaks in cooking utensils and rubber goods are instanly patched; without use of heat; soldering etc.

TICKET PUNCHES

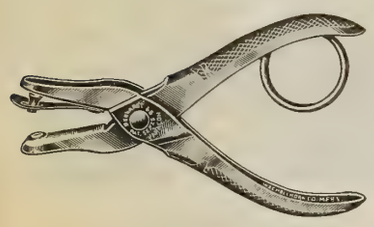


"LODI."

No. 350.
4½-inch. List per dozen 4.00

Nickel plated stamped steel frame; round tool steel plunger; steel wire coil spring; slot ½ inch deep; length over all 4½ inches; average weight per dozen, 1½ pounds.

1 dozen in a box.

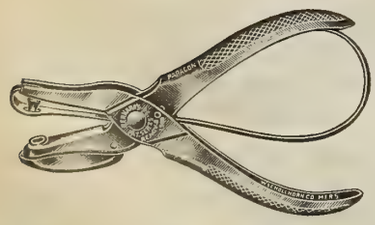


No. 250. List per dozen 7.00

Assorted Dies

Nickel plated steel frame; non-friction spring; tool steel plunger with reservoir; coiled wire handle spring; slot 1 inch deep; length over all 5 inches; average weight per dozen, 2 pounds.

1/2 dozen in a box.



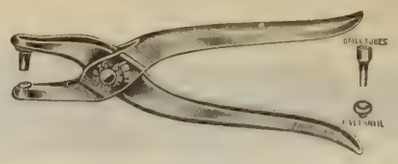
No. 260. List per dozen 11.00

Assorted Dies.

Nickel plated steel frame; knurled handles; non-friction spring; tool steel plunger; spring shutting reservoir; steel wire handle spring; slot 1 inch deep; length over all 5 inches; average weight per dozen, 2 pounds.

1/2 dozen in a box.

SPRING BELT PUNCHES



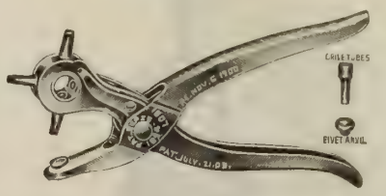
"LODI."

No. 361.
8-inch. List per dozen 9.60

Single Tube.

Bright stamped steel frame; steel rivet joint; coppered steel wire centre pin spring; rivetted tool steel tube, assorted No. 2, 4, 6; rivetted copper anvil; average weight per dozen, 4¾ pounds.

1/2 dozen in a box.



"LODI."

No. 384.
8-inch. List per dozen 21.60

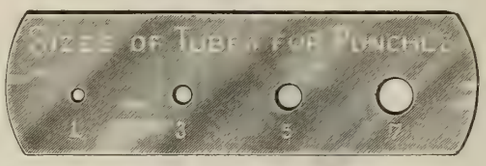
Revolving, 4-Tube

Bright stamped steel frame; steel rivet joint; coppered steel wire centre pin spring; four removable, tool steel drive tubes, Nos. 1, 3, 5, 7; rivetted copper anvil; average weight per dozen, 7 lbs.

1/2 dozen in a box.

DRIVE TUBES

For Revolving Belt Punches.



"LODI."

Size Nos. 1, 3, 5, 7. List per dozen 2.30

For No. 384 Punch.

Tool steel, carefully tempered and sharpened; illustration shows full size of end of tubes; average weight per dozen about 1½ ozs.

Open Stock.

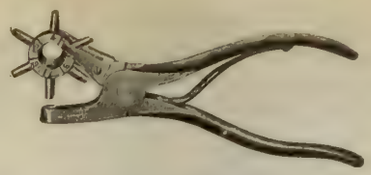
No. 24.
8-inch. List per dozen 24.00

Revolving, 4-Tube.

Polished malleable iron frame and handles; rivet lap joint; tempered flat steel spring riveted to handle; removable tool steel drive tubes Nos. 4, 6, 8, 10; copper anvil; average weight per dozen, 9 lbs.

1/2 dozen in a box.

SPRING BELT PUNCHES

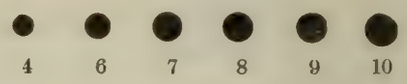


No. 26.
8-inch. List per dozen 30.00

Revolving, 6-Tube.

Polished malleable iron frame and handles; rivet lap joint; tempered flat steel spring riveted to handle; removable tool steel drive tubes Nos. 4, 6, 7, 8, 9, 10; (see below) copper anvil; average weight per dozen, 9½ pounds.

1/2 dozen in a box.



Actual sizes of end of tubes for Nos. 24 and 26 spring belt punches.

SADDLER'S PUNCHES

No. 245.

Size Nos.	Diam. Body, ins.	App. wt. doz. lbs.	List per doz.
2	5/16	¾	3.30
3	5/16	¾	3.30
4	5/16	¾	3.30
5	5/16	¾	3.30
6	5/16	¾	3.30
7	3/8	1⅛	3.70
8	3/8	1⅛	3.70
9	3/8	1⅛	3.70
10	7/16	1⅝	4.50
11	½	2¼	4.50
12	½	2½	4.50
14	9/16	2⅝	8.50

Round Shank

Forged from solid steel; milled-out slot; natural finish body; polished point outside bevelled and sharpened; length 3⅝ to 4¼ inches.

1 dozen in a box.

Full size of holes of Saddlers Belt Punches.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

COMBINATION PLIERS

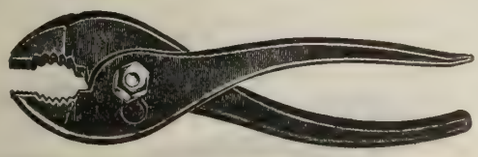
No. 618—

6-inch. List per dozen 4.50

Slip Joint; Natural Finish.

Drop forged steel; milled nut and rod teeth; shear cutter; button head bolt and nut; average weight per dozen, 5½ pounds.

1/2 dozen in a box.



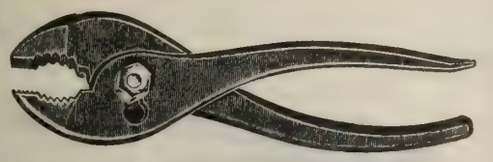
No. 900.

6½-inch. List per dozen 8.50

Slip Joint, Thin Nose.

Black finish steel; milled nut and rod teeth; button head bolt and nut; plain handles (without screw driver); average weight per dozen, 5½ pounds.

1/2 dozen in a box.



No. 710—

6-inch. List per dozen 9.60

Slip Joint; Full Nickel Plated.

Drop forged steel; milled nut and rod teeth; shear cutter; button head; bolt and nut; average weight per dozen, 5 pounds.

1/2 dozen in a box.

"RED DEVIL."

No. 924—

6½-inch. List per dozen 10.80

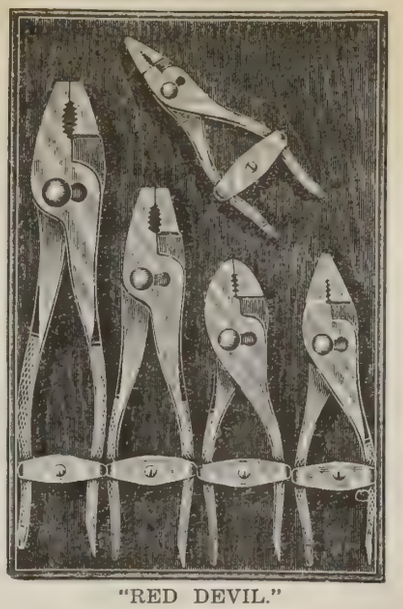
Slip Joint; Thin Nose.

Full nickel plated and polished; forged from fine grade tool steel; shear cutter; hardened jaws 3/16 inch wide; milled nut and rod teeth; button head bolt and nut; knurled handles; average weight per dozen, 5½ pounds.

Each plier in a carton.

1/2 dozen in a box.

PLIER ASSORTMENTS



"RED DEVIL."

No. E.B. 924. List per assortment 20.00

Slip Joint.

Contains 1 Dozen Pliers.

4 No. 825 x 6-inch Standard Pattern.
2 No. 825 x 8-inch Standard Pattern.
1 No. 825 x 10-inch Standard Pattern.
3 No. 924 x 6-inch Thin Nose.
2 No. 925 x 6-inch Standard Pattern.

5 of these pliers are mounted on a substantial, mahogany finish wood board, 8 x 12 inches, with wire easel back; the pliers are forged from high grade steel; full nickel plated and polished; milled nut and rod teeth; button head bolt and nut; knurled handles, one with screw driver end; average weight, 6½ pounds.

1 assortment in a box.

"RED DEVIL"

No. 825.		
Length, inches	8	10
List per dozen	13.20	21.00
App. wt. doz., lbs.	8½	10½

Slip Joint

Full nickel plated and polished; forged from high grade tool steel; powerful shear cutter; pipe grip, adjustable jaws; button head bolt and nut; knurled handles, one screw driver end.

Each plier in a carton.

1/2 dozen in a box.

OFFSET COMBINATION PLIERS

No. 646.

7-inch. List per dozen 11.00

Slip-joint.

Drop forged steel; polished jaws; black handle; shear cutter; milled jaws; button head bolt and nut; with cotter pin extractor; will do the work of the ordinary pliers and go into many out-of-the-places; average weight per dozen, 7½ pounds.

1/2 dozen in a box.

FLAT NOSE PLIERS

"LODI."

No. 300.			
Length, ins.	4	4½	5
List per dozen	1.90	2.40	2.90
App. wt. doz., lbs.	⅞	1¼	1¾

Flat Nose.

Stamped steel; natural finish; milled jaws; rivet joint.

1 dozen in a box.

"PARAGON."

No. 200.

5-inch. List per dozen 6.50

Flat Nose.

Full nickel plated; stamped steel; milled jaws; rivet joint; knurled handles; average weight per dozen, 2 pounds.

1/2 dozen in a box.

"GERMAN."

No. 1109.		
Length, inches	5	6
List per dozen	6.70	8.50
App. wt. doz., lbs.	2	3

Flat Nose.

Hand forged steel; natural finish; milled jaws; rivet joint.

1 dozen in a box.

CUTTING PLIERS

"LODI."

No. 302.

5½-inch. List per dozen 4.80

Cutting.

Stamped steel; natural finish; milled jaws; rivet joint; double cutters take up to No. 13 wire; average weight per dozen, 3¼ pounds.

1 dozen in a box.

LONG CHAIN NOSE PLIERS

No. 63. List per dozen 32.00

5½-inch; Long Chain Nose.

Fine steel, carefully forged and tempered; full polished head; lap joint; side cutting; gun barrel handles; length of jaws 1¾ inches; average weight per dozen, 2 pounds.

In cartons of one each.

1/2 dozen in a box.

CUTTING PLIERS

"PARAGON."

No. 202.
6-inch. List per dozen 15.60

Cutting.

Full nickel plated; stamped crucible steel; rivet joint; milled jaws; tempered cutters take up to No. 11 wire; knurled handles; average weight per dozen, 4 pounds.

1/2 dozen in a box.

"BERNARD."

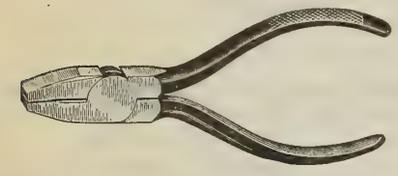
No. 102.

Length, ins.	4½	5½	6½
List per dozen	31.20	39.60	48.00
Av. wt. doz., lbs.	3½	5½	7

Side Cutting, Open Throat.

Full nickel plated; stamped steel, close-in knurled handles; crucible steel "vise-grip" parallel jaws; tempered and sharpened cutter with detachable lower blade; rivet joint.

1/2 dozen in a box.



No. 50.

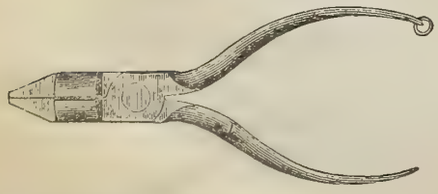
Length, ins.	4	5	6
List per dozen	21.80	24.00	27.80
Av. wt. doz., lbs.	2½	3½	6½

Side Cutting

Highest grade forged steel, carefully tempered; milled jaw faces; ground cutting edges; lap joint; full polished head; gun metal finish knurled handles; in cartons of 1 each.

1/2 dozen in a box.

MILLINERS PLIERS



"BOKER."

No. 1643—
4½-Inch. List per dozen 11.50

Side Cutting.

High grade steel; carefully tempered; milled jaw faces; ground cutting edges; flat nose; polished finish; ring on one handle; average weight per dozen, 2 pounds.

1 dozen in a box.

PLIER ASSORTMENT

"RED DEVIL"

No. EB-1050. List per assortment 22.00

Side Cutting.

Contains 1 dozen Pliers.

1 No. 1050 x 4-in. side cutting.
2 No. 1050 x 5-in. side cutting.
3 No. 1050 x 6-in. side cutting.
2 No. 1050 x 7-in. side cutting.
4 No. 1050 x 8-in. side cutting.

5 of these are mounted on substantial oak stained board 8¾ x 12 inches, with wire easel back; the pliers are forged from highest grade steel; gun metal finish; dentyne knurled handles; carefully tempered; milled jaw faces; ground cutting edges; lap joint; average weight, 7 pounds.

1 assortment in a box.

MILLINERS PLIERS

No. 622—
4½-inch. List per dozen 24.00

Small Chain Nose; Side Cutting.

Highest grade crucible steel; carefully tempered milled jaw faces; hand honed cutting edges will cut fine silk thread; full polished head; dentyne knurled handles gun metal finish; average weight per dozen, 1½ pounds.

Each plier in a carton.
1/2 dozen in a box.

TELEPHONE PLIERS

No. 1050.

Length, inches	6	7	8
List per dozen	28.50	32.00	35.00
App. wt. doz., lbs.	5	6½	10½

Side Cutting.

Highest grade steel, forged and tempered with the utmost care; milled jaw faces; ground cutting edges; lap-joint; full polished head; knurled gun-barrel handles; in cartons of one each.

1/2 dozen in a box.

No. 1950.
8-inches. List per dozen 67.20

Lineman's Heavy Side Cutting.

Forged from best grade tool steel; well finished throughout; milled jaw faces; tempered and ground cutting edges; large rivet; lap joint; full polished head; gun metal finish knurled handles with special splicing clamp between the handles; average weight per dozen, 13¼ pounds; in cartons of one each.

1/2 dozen in a box.

ELECTRICIANS PLIERS

No. 942—
5-Inch. List per dozen 30.00

Diagonal Cutting.

Fine grade forged steel; tempered and sharpened cutters; box joint; gun metal finish knurled handles; full polished head; average weight per dozen, 3½ pounds.

Each plier in a carton.
1/2 dozen in a box.

FENCE PLIERS

No. 2376—

Length, ins.	6	8	10
List per dozen	8.40	12.00	14.00
Av. wt. doz., lbs.	6	9	13½

Drop forged solid steel; tempered cutting edges and jaw faces; milled nut and rod teeth; three cutters; lap joint; polished jaw faces; natural finished handles and jaw sides.

1/2 dozen in a box.

PLIERS

"RED DEVIL."

No. 1000—

Length, inches	8	10
List per dozen	19.50	28.00
App. wt. doz., lbs.	6	10

Combination Cutting and Nut Pliers.

High grade forged tool steel; polished head; lap joint; large rivet; milled pipe and nut teeth; three wire cutters; knurled handles gun metal finish.

1/12 dozen in a carton.
1/2 dozen in a box.

No. 999.
8½-inch. List per dozen 22.00

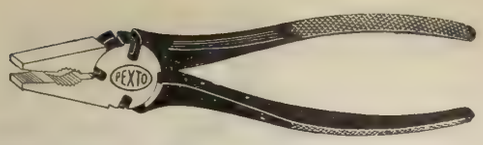
Combination Cutting and Nut Pliers.

A sturdy tool of high grade forged tool steel, full polished; lap joint; large rivet; milled pipe and nut teeth; three cutters taking up to No. 11 wire; knurled handles; average weight per dozen, 12 lbs.

In cartons of one each.

1/2 dozen in a box.

FENCE PLIERS



"PEXTO."

No. 89. inches.	8	10
List per dozen	24.50	30.00
Cuts wire up to ga.	7	6
App. wt. doz., lbs.	10	17½

Fence Plier and Wire Puller.

Highest quality; button pattern; milled nut and rod teeth; positive stop lap-joint; full polished head; knurled gun barrel handles; in cartons of one each.

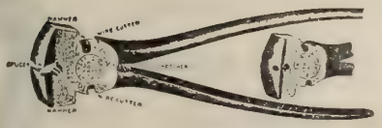
1/2 dozen in a box.

No. 600.
10-inch. List per dozen 22.00

Staple Puller and Fence Plier.

Forged from special alloy steel; hardened head; tempered cutters and pullers; cuts No. 7 wire; steel rivet; lap joint; head 2¼ inches; scored ¾ inch hammer faces; black handles with knurled grips; polished faces; average weight per dozen, 10½ pounds.

1/12 dozen in a box.



UTICA.

No. 19.
10-inch. List per dozen 35.00

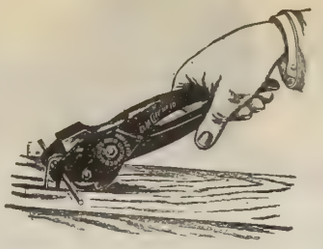
Staple Puller and Fence Plier

High grade forged tool steel; tempered cutters and pullers; hardened head; two cutters, take No. 6 wire; steel rivet; lap joint; head 2 3/16 inches; plain hammer faces ⅝-inch; gun metal finish; average weight per dozen, 20 pounds.

Each plier in a carton.

1/2 dozen in a box.

PLIERS



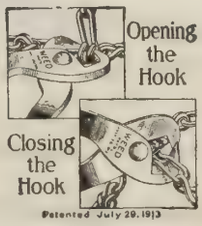
ELM CITY, "NEW MODEL."

No. 10. List per dozen 36.00

Staple Puller and Fence Plier.

10-inch; heavy stamped steel jaws and handles, japanned finish; bright finish, high grade steel cutting blades and hammer head with milled face; cuts No. 7 wire; hook jaws for pulling staples; interchrangeable cutters; a complete tool for building and repairing wire fences; average weight per dozen, 18½ pounds.

1/2 dozen in a box.



"Weed." List per dozen 16.00

Automobile Chain Plier.

Length over all 10 inches; polished jaws and head, blued handle, lacquered; for opening and closing the hooks on automobile cross chains; average weight per dozen, 10½ pounds.

2 dozen in a box.

CUTTING NIPPERS

"PEXTO"

No.	3	1
List per dozen	70.80	84.00
Length, ins.	10	12
Width of jaws, ins.	1¼	1½
Opens, ins.	5/16	3/8
App. wt. doz., lbs.	17	27

Best cast steel polished jaws, tested by cutting steel wire; black head and handle; adjusting set screw.

1/2 dozen in a box.

SPLICING CLAMPS

"PEXTO"

No. 53. List per dozen 69.60

Forged from crucible steel; well made; full polished head; spring tempered gun barrel handles with loop fastener; three oval holes for Nos. 4, 6 and 8 iron wire; length 11 ins.; weight per dozen, 13½ pounds; in cartons of one each.

1/2 dozen in a box.

"PEXTO"

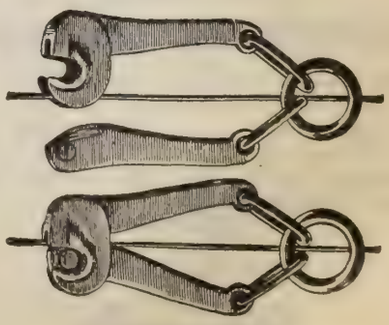
No. 59. List per dozen 76.80

Reversible.

Forged from crucible steel; carefully made; full polished head; spring tempered gun barrel handles with loop fastener; sleeve side takes No. 8 and 14 Brown & Sharpe copper sleeves, also No. 12 iron Birmingham wire gauge sleeves, and No. 12 New British Standard copper sleeves; wire side takes Nos. 4, 6 and 8 iron wire; length 10¾ inches; average weight per dozen, 14½ pounds; in cartons of one each.

1/2 dozen in a box.

WIRE CLAMPS

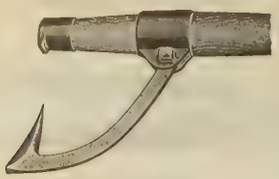


McCloskey. List per dozen 17.00

Malleable iron, painted black; inserted jaw plates of hardened steel; 2 inch ring; length over all 10 inches; for use by linemen, fence builders etc.; average weight per dozen, 22½ pounds.

Open Stock.

CANT HOOKS



SOO LINE.

Nos.	50	51
List per dozen	57.60	58.80
Length, handle, ft.	4	4½
Av. wt. doz., lbs.	85	90

Duck Bill, Maple Handles

Malleable iron long toe ring and clasp; high quality crucible steel hook 7/16 x 1 inch; special square head, steel bolt ½ x 1¾ inch; metal parts lacquered blue; handle 2 5/16 inches diameter.

½ dozen in a bundle.

PEAVIES

SOO LINE.

Nos.	3	5	6
List dozen	69.60	73.20	75.60
Length, hdl., ft.	5	5	5½
Diam. hdl., ins.	2 5/16	2½	2½
Av. wt. doz., lbs.	100	115	120

Duck Bill, Maple Handles

Malleable iron socket; special tool steel pick ⅞ x ⅞ inch; high quality, heavy crucible steel hook 7/16 x 7/8 inch with hardened point; special square head, steel bolt 7/16 x 1¾ inch; all metal parts blue lacquered.

½ dozen in a bundle.

CANT HOOK HANDLES

Length, feet	4	4½	5
List dozen	11.80	13.20	14.50
App. wt. doz., lbs.	39	48	54

Selected maple; carefully turned; 2⅜ inch diameter.

Open Stock.

PEAVEY HANDLES.

Length, feet	5	5½
List per dozen	16.00	17.50
App. wt. doz., lbs.	48	54

Selected maple; carefully turned; 2¼ inch diameter.

Open Stock.

CANT HOOK BOLTS

7/16 x 1¾ inch. List per dozen ..... .80

Steel square head and nut; square shoulder; average weight per dozen, 1¼ pounds.

50 in a package.

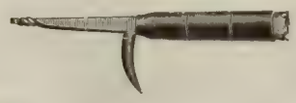
CANT HOOK CLASPS

No. 292. List per dozen 9.60

Malleable iron; natural finish; 2½ inch inside diameter; length 2¾ inches; average weight per dozen, 10½ pounds.

Open Stock.

PIKE POLES COMPLETE



No. 25 x 14 ft. List per dozen 69.00

White Ash Handle

Polished seamless ferrule; one piece pike and hook forged from high quality crucible steel; straight pike with screw point, threaded and screwed into handle; average weight per dozen, 80 pounds.

Open Stock.

PIKE POLE HANDLES

14-ft. List per dozen 18.00

Selected white ash; carefully turned.

Open stock.

TIMBER CARRIERS

SOO LINE.

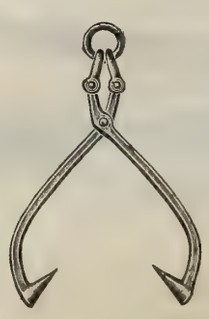
No. 131. List per dozen 69.60

Duck Bill, Maple Handle.

Crucible steel hooks ⅜ x ¾ inch with hardened points; malleable iron clasp; swivel joint; for handling ties, etc.; will grapple anything from 3 to 16 inches; 4 feet x 2½ inch maple handle; all metal parts lacquered blue; average weight per dozen, 96 pounds.

½ dozen in a bundle.

SKIDDING TONGS



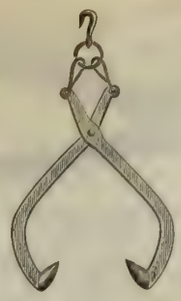
No. 201-A. List per pair 14.00

With Ring.

1⅛ inch high carbon, open hearth octagon steel; heavy iron rings; steel rivet; round upset points; opens 32 inches; painted blue; average weight each, 22 pounds.

Open Stock.

SKIDDING TONGS



No. 204-B. List per pair 15.50

With Round Swivel Hook.

1⅛ inch high carbon, open hearth octagon steel; heavy iron rings; steel rivet; round upset points; opens 31 inches; painted blue; average weight each, 23 pounds.

Open Stock.

PILING HOOKS

No. 123. List per dozen 53.00

With Clevise and Loose Hand Ring.

For chain ⅜ to ⅝ inch; 1 inch square steel hook; 4½ x 2¼ inch clevise; length over all, 12 inches; average weight per dozen, 75 pounds.

Open Stock.

LOADING BLOCKS

No. 228. List per dozen 56.00

With Chain Sheave.

Heavy steel plate shell 7½ ins. long; heavily reinforced at top by short iron billet in which the hook is rivetted; swivel grab hook is heavy enough to stand strain of ⅝-inch anchor chain; sheave 5 x 1½ inches with drilled holes; special steel bolt; average weight per dozen, 130 pounds.

Open Stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

CANT HOOK HOOKS

No. 594. List per dozen 24.00

Duck bill, heavy crucible steel with hardened point, 7/16 x 1 inch; weight per dozen, 26 pounds.

Open stock.

BOOT CALKS

Nos.	000	00	0
List per thousand	10.50	10.50	10.50
Wt. per 1,000, lbs.	2½	3¼	3½

Beaded, forged from the best quality crucible steel; in packages of 100.

1 Thousand in a box.

No. 5. List per thousand 13.50

Wing Screw.

Made of high grade steel, hardened and tempered in oil; can be inserted or removed at any time, do not fall out or work up into the foot, always held upright by the broad disc; average weight per thousand, 6 pounds; in boxes of fifty.

½ Thousand in a carton.

WHIFFLETREES

HEAVY OVAL.

2¾ x 36 inch. List per dozen 11.60

Selected white ash; carefully turned; diameter at ends 1½ inches; at centre 2¾ x 2 inches; average weight per dozen, 32 pounds.

2 dozen in a crate.

HEAVY ROUND.

2¾ x 36 inch. List per dozen 12.30

Plain selected white ash; carefully machined; 2¾ inch centre; chucked for 1¾ inch ferrules; average weight per dozen, 52 pounds.

2 dozen in a crate.

NECK YOKES

HEAVY TEAM.

2¾ x 42 inch. List per dozen 18.70

Plain selected white ash; carefully turned; 2¾ inch centre; 1⅝ inch ends; average weight per dozen, 42 pounds.

Open stock.

TWIN.

1¾ x 24 inch. List per dozen 6.00

Plain selected white ash; 1¾ inch at centre; chucked ends 1 inch diameter; average weight per dozen, 12 pounds.

2 dozen in a crate.

DOUBLETREES

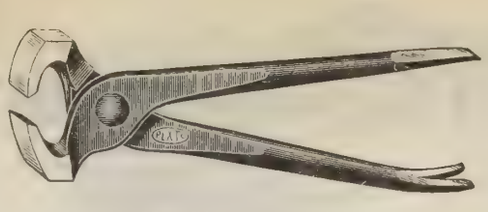
2 x 4 x 48-ins. List per dozen 23.20

2 x 5 x 48-ins. List per dozen 29.40

Plain white ash; finished ready to iron; average weight per dozen, 105 and 132 pounds respectively.

½ dozen in a bundle.

CARPENTER'S PINCERS



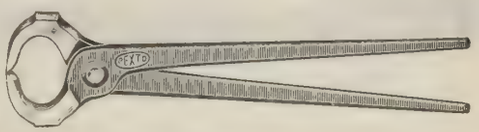
No. 50:—"PEXTO."

Length, inches	6	7	8
List per dozen	14.00	17.00	18.00
App. wt. doz., lbs.	5	6½	10

Forged steel hammer head pattern; full polished head, screw driver and claw ends; handles in smooth permanent black finish; rivet joint; button head.

½ dozen in a box.

BLACKSMITH'S SHOE PINCERS

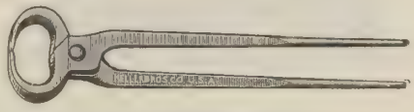


"PEXTO."

No. 12. List per dozen 30.00

Solid steel polished jaws; natural finish handles; large button head; rivet joint; a perfect tool in every respect; length, 12 inches; average weight per dozen, 22 pounds.

1/12 dozen in a box.



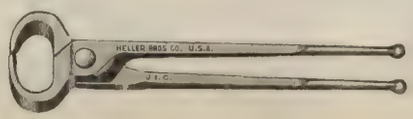
"HELLER'S."

No. 21. List per dozen 48.00

Length 12 inches

Highest grade forged crucible tool steel; button head rivet joint; polished head; natural finish straight handles; average weight per dozen, 24 pounds.

½ dozen in a box.



"HELLER'S."

No. 20. List per dozen 68.00

Length 14 inches

Highest grade forged crucible tool steel; button head rivet joint; polished head; natural finish knob handles; average weight per dozen, 36 pounds.

½ dozen in a box.

HOOF PARERS

"HELLER'S."

No. 23A. Length, ins.	12	14
List per dozen	74.40	90.00
App. wt. doz., lbs.	24	30

Crucible steel; full polished; tempered jaws; taper cutting edge; large button head rivet.

½ dozen in a box.

"HELLER'S."

No. 23D. List per dozen 153.60

Compound Lever, Easy Cutting.

14-inch; forged steel jaws, carefully tempered and sharpened; crucible steel handles and side plates, blued finish; average weight per dozen, 36 pounds.

½ dozen in a box.

BOLT CLIPPERS

PORTER'S "NEW-EASY."

No. 0. List each 7.50

Length, 18 ins.; cuts bolts 5/16 ins. diameter and smaller; average weight each, 3 pounds.

No. 1. List each 10.00

Length, 36 ins.; cuts bolts 5/8 in. and smaller; average weight each, 5¾ lbs.

No. 2. List each 14.00

Length, 30 ins.; cuts bolts ½ in. and smaller; average weight each, 9 pounds.

No. 3. List each 18.00

Length, 36 inches; cuts bolts 5/8 in. and smaller; average weight each, 13 pounds.

Japanned malleable iron handles; carefully tempered, high grade tool steel, detachable jaws; compound lever action; rubber buffers; jaws are adjustable.

½ dozen in a box.

PIPE CUTTERS

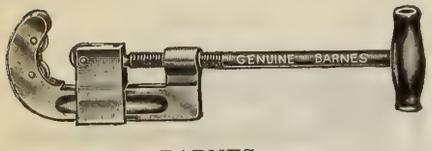
SAUNDERS.

Nos.	1	2
List each	4.30	6.30
Cuts pipe, ins.	⅛ to 1	1 to 2
Length, ins.	16	21
Av. wt. each, lbs.	3½	6¼

One Wheel, Two Rollers.

Japanned malleable iron frame; tool steel cutters and rollers; swing back; steel screw; cast iron grip.

Open stock.



BARNES.

Nos.	2	3
List each	8.50	14.00
Cuts pipe, ins.	½ to 2	1½ to 3
Length, ins.	16	21
Av. wt. each, lbs.	5	9

Three-Wheel Cutter.

Steel frame and screw; special high grade tool steel cutters; oiled finish; japanned iron handle.

Open stock.

PIPE CUTTER WHEELS

SAUNDERS.

Nos.	1	2
List dozen	4.00	6.00
Diam., inches	1	1-7/32
Av. wt. each, oz.	1	2

Fine tool steel; carefully tempered and sharpened; oiled finish.

Open stock.

BARNES.

Nos.	2	3
List dozen	5.00	6.70
Diam., inches	1-3/16	1-13/32
Av. wt. each, oz.	1	2

Special high grade tool steel; carefully tempered and sharpened; oiled finish.

Open stock.

PIPE WRENCHES

STILLSON PATTERN.

Lengths, ins.	6	8	10	14
List per doz.	21.60	24.90	27.00	38.00
Takes pipe, in.	⅛-½	⅛-¾	⅛-1	⅛-1½
Av. wt. doz., lbs.	4	8	18	33

Hardwood Handle.

Forged tool steel jaws and handle; polished shank, frame and jaws; interlocked, ebonized grips; end nut cap.

½ dozen in a box.

STILLSON PATTERN.

Length, ins.	18	24	36
List, dozen	54.00	79.00	128.00
Takes pipe, ins.	¼-2	¼-2½	¼-3½
Av. wt. doz., lbs.	54	93	162

Steel Bar Handle.

Forged tool steel jaws and handle; japanned handle; polished head.
18-inch, ½ dozen in a box.

24 and 36-inch, open stock.

PARTS FOR STILLSON WRENCHES

Movable Jaws

Frames

Nuts

For Wrenches, inches	Movable Jaws List each	Frames List each	Nuts List each
6	.80	.44	.16
8	.84	.44	.16
10	.90	.54	.20
14	1.20	.62	.30
18	1.80	.80	.36
24	2.32	1.00	.56
36	4.50	1.80	1.12
48	7.80	2.30	1.60

Forged tool steel; open stock.

PIPE WRENCHES

TRIMO.

Length, ins.	8	10	14	18	24
List, dozen	27.60	30.00	42.00	60.00	87.20
Adj. inches	⅛-¾	⅛-1	¼-1½	¼-2	¼-2½
Av. wt. doz., lbs.	4¼	8	18	58	100

Steel Bar Handle.

Drop forged from selected bar steel; polished head; japanned handle.
8, 10, 14, 18, half dozen in a box.
24 inch. Open stock.

PARTS FOR TRIMO WRENCHES

EXTRA MOVABLE JAWS

For Wrenches, ins.	8	10	14	18	24
List each	.90	.96	1.28	1.90	2.50
Av. wt. each, ozs.	3½	7	18	20	32

Forged tool steel; oil finish.
Open Stock.

EXTRA NUTS.

For Wrenches, ins.	8	10	14	18	24
List each	.16	.24	.32	.40	.60
Av. wt. each, oz.	½	1¼	2½	3¼	5¼

Forged tool steel; knurled.
Open Stock.

EXTRA FRAMES.

For Wrenches, ins.	8	10	14	18	24
List each	.48	.56	.66	.84	1.04
Av. wt. each, oz.	½	1¼	2½	3¼	5¼

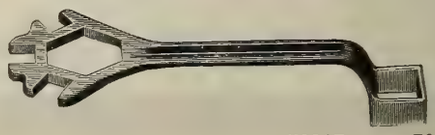
Forged tool steel; oil finish.
Open Stock.

EXTRA INSERTED JAWS

For Wrenches, ins.	8	10	14	18	24
List each	.44	.56	.66	.80	.90
Av. wt. each, oz.	¾	1¼	2½	3½	5½

Forged tool steel; oil finish.
Open Stock.

CARRIAGE WRENCHES



No.	7324B	7324C
List, dozen	2.80	2.80
Length, inches	9	9
Axle nut, inches	7/8	1
Cap nut, inches	1½	1½
App. wt. dozen, lbs.	7	7

Malleable iron; natural finish; for carriage axle and cap nuts; with ½, ⅝ and ¾-inch openings in one end for nuts.
Open Stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

WRENCH ASSORTMENTS

Genuine Stillson. List per set 37.00

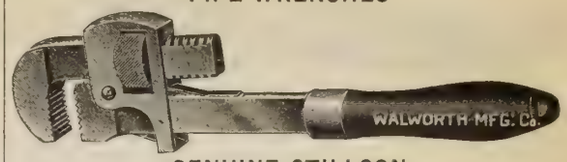
1 Dozen Wrenches:—

1/6 doz. 6-inch wooden handle.
1/4 doz. 8-inch wooden handle.
1/4 doz. 10-inch wooden handle.
1/4 doz. 14-inch wooden handle.
1/12 doz. 18-inch Steel handle.

Complete with 24 gauge metal display stand strongly supported by heavy coppered wire easel, lithographed in colors, width at base 14 inches; height, 19½ inches; stand will display one of each different size wrench.

One assortment in corrugated cardboard box.

PIPE WRENCHES



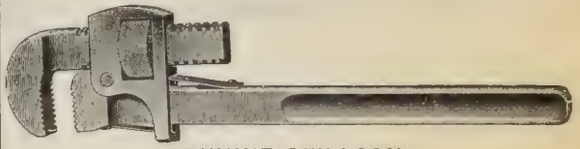
GENUINE STILLSON

Length, ins. ..	6	8	10	14
List dozen ...	26.40	29.70	33.00	46.20
Adj. inches ...	⅛-½	⅛-¾	⅛-1	¼-1½
Ap. wt. doz., lbs.	6	12	24	42

Hardwood Handle.

Highest quality drop forged tool steel; polished shank, frame and jaws; finest tempered spring; ebony finished hardwood handle with through shank and nut cap end.

1/2 dozen in a box.



GENUINE STILLSON

Length, ins.	18	24	36
List dozen	66.00	96.00	178.00
Adj. Ins.	¼-2	¼2½	¼-3½
Ap. wt. doz., lbs.	72	120	180
Doz. in a box	1/2	1/2	loose

Steel Bar Handle.

Highest quality drop forged tool steel; polished head; solid steel bar handle; finest tempered springs.

Packed as above.

WRENCHES

"BARCALO."

Length, inches	6	8	10
List per dozen	14.90	18.50	22.40
Jaws open, inches	7/8	1¼	1⅝
Av. wt. doz., lbs.	5½	12	18

Adjustable "S" Nut.

Forged steel sliding jaw; one-piece malleable iron handle and head; knurled screw; polished head; japanned handle.

1/2 dozen in a box.

WRENCHES

AGRICULTURAL.

Length, ins.	6	8	10
List, doz.	9.50	11.40	13.30
Opens, ins.	29/32	1-5/16	1-11/16
Av. wt. doz., lbs.	9½	16	23
Standard list, doz.	10.00	12.00	14.00

Length, ins.	12	15
List, doz.	17.10	22.80
Opens, inches	1-7/8	2-7/16
Av. wt. doz., lbs.	28	40
Standard list	18.00	24.00

Drop forged steel one-piece bar and head; hardened one-piece sliding jaw and frame; cut screw with knurled head; hardwood handle secured by iron cap; metal parts natural finish.

½ dozen in a box.

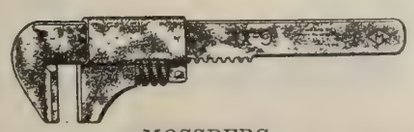
Machinists Knife Handle.

Length, ins.	8	10	12
List, doz.	20.40	25.20	32.40
Opens, ins.	1-1/4	1-7/8	2-1/4
Av. wt. doz., lbs.	17	27	36

Length, ins.	15	18	21
List, doz.	43.20	55.20	67.20
Opens, ins.	2-5/8	3	3-7/8
Av. wt. doz., lbs.	60	82	104

Drop forged steel; one-piece bar and head; hardened one-piece sliding jaw and frame; cut screw with knurled head; polished malleable iron handle frame with hardwood sides securely riveted.

6 to 15 inch, ½ dozen in a box.
18 and 21 inch, open stock.



MOSSBERG.

No. X-9.
9-inch. List per dozen 15.60

Auto Adjustable.

Made of special steel; one-piece head and handle; inserted movable jaw; knurled steel adjusting nut; opens 2 inches; thickness of jaws, 7/16 inch; depth of jaws, 1 1/8 inches; black finish handle; mottled sliding jaw; average weight per dozen, 10½ pounds.

In individual cartons.

WRENCHES

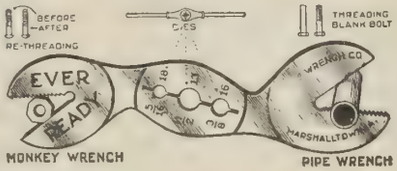
MOSSBERG

Nos.	K7	K9
List dozen	12.40	22.80
Length, ins.	7	9
Opens, ins.	1-3/8	1-3/4
Thickness, ins.	3/8	1/2
Depth jaws, ins.	15/16	1-3/8
Av. wt. doz., lbs.	7	15

Auto Adjustable.

High grade special steel; one-piece head and handle; inserted movable jaw; knurled steel adjusting nut; black finish handle; mottled sliding jaw.

In individual cartons.



Ever Ready. List per dozen 9.00

8-inch; made from tool steel and oil tempered; milled teeth; tapped cutting threads; jaws take 3/8 to 3/4 inch pipe; dies cut threads 5/16-18, 3/8-16 and 1/2-13; thin model 3/16 inch wide; natural finish; average weight per dozen, 6 lbs.

1/12 dozen in a carton.

HAWKEYE.

No. 200. List per dozen 12.50

8-inch; drop forged tool steel; carefully tempered; milled teeth; machine tapped cutting threads; jaws take 3/8 to 3/4 inch pipe; dies cut threads 5/16-18, 3/8-16 and 1/2-13; mottled lacquered finish; average weight per dozen, 13½ pounds.

1/12 dozen in a carton.

BULL DOG.

No. 1. List per dozen 3.80

5½-inch long, 7/32 inch thick; drop forged tool steel; milled teeth; polished jaws; oiled finish body; holds 1/8 to 3/8 inch pipe, 1/4 to 3/4 inch round iron; openings in handle 15/32 and 27/32 inch wide; average weight per dozen, 7 1/2 pounds.

1/2 dozen in a box.

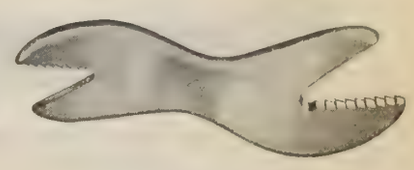
WRENCHES

BULL DOG.

No. 2. List per dozen 13.20

9-inch; drop forged tool steel; tempered raised jaws; milled teeth; polished jaw faces; natural finish handle; holds 3/8 to 3/4 inch pipe, 1/2 to 1 inch round iron; average weight per dozen, 9½ pounds.

1/2 dozen in a box.



ALWAYS READY.

Nos.	1	2	3
List doz.	8.50	11.50	26.40
Length, ins.	5	6 1/2	11 1/4
Holds Iron, ins.	¼-¾	¼-1¼	¾-2
Av. wt. doz., lbs.	5	11	29

Nickel plated and polished; forged from high carbon steel; carefully tempered; milled pipe teeth. Each in an envelope.

Nos. 1 and 2, 1/2 dozen in a box.
No. 3, Open Stock.

BULL DOG.

Twin. List per dozen 14.40
10-inch; drop forged tool steel; tempered raised jaws with polished faces; milled teeth; oiled finish handle; holds 1/8 to 3/4 inch pipe, 1/4 to 1 inch round iron; average weight per dozen, 12½ pounds.

1/2 dozen in a box.

"WESTCOTT."

Nos.	76	78	80	82
List dozen	17.50	22.00	27.00	40.00
Length, ins.	6	8	10	12
Jaws open, ins.	3/4	1	1-3/8	1-5/8
Av. wt. doz., lbs.	6	11	21	32

Adjustable "S" Nut.

Forged steel sliding jaw; one-piece malleable iron handle and head; knurled screw; polished head; japanned handle.

1/2 dozen in a box.

WRENCHES

No. 85. Adjustable. Length, inches	4	6	8	10
List per dozen	16.00	16.00	20.00	25.00
Jaw open, inches	7/16	13/16	7/8	1 1/4
Av. weight dozen, lbs.	1½	4	7½	14½

For Square and Hexagon Nuts.

Forged from solid bar steel; oil tempered; one-piece handle and head; thin tapered nose; knurled screw; handle web black finished, other parts polished.

½ dozen in a box.

15° Angle. Double End.

Semi-Finished.

Champion X. List per dozen 10.80

13/16 and 15/16-inch openings.

Spark Plug Wrench; 9 inches long; drop forged from solid bar steel; case hardened; extra thin; natural finish shank; polished head; average weight per dozen, 9 pounds.

½ dozen in a box.

ENGINEERS WRENCHES

15° Angle, Double End.

Semi-Finished.

Nos.	Openings, inches.	Length, inches.	Thickness, Head, ins.	Av. wt. doz., lbs.	List doz.
2286	5/16 and 1/2	4	3/16	1½	4.20
2288	13/32 and 19/32	5	7/32	2¾	4.80
2289	1/2 and 19/32	5	7/32	3	4.80
2290	1/2 and 11/16	5	7/32	3	4.80
2292	19/32 and 25/32	6	¼	4¼	6.10
2294	11/16 and 7/8	7½	¼	6½	8.90
2299½	31/32 and 1 5/32	9	¼	9	10.80

Drop forged from solid bar steel; extra thin; oiled finish shank; polished heads; milled openings.

½ dozen in a box.

22½° Angle, Double End.

Semi-Finished.

Nos.	Openings, inches.	Length, inches.	Thickness, Head, ins.	Av. wt. doz., lbs.	List doz.
500	3/8 and 1/2	6¼	7/16	1½	5.20
501	1/2 and 5/8	7⅛	¼	3	6.50
502	5/8 and 3/4	8¼	5/16	6¼	8.24
503	3/4 and 7/8	9¼	⅜	8¼	10.56
504	7/8 and 1	10⅛	7/16	12	13.44

Drop forged; polished heads; black japanned shank; milled openings.

Open Stock.

ENGINEERS WRENCHES

15° Angle, Double End.

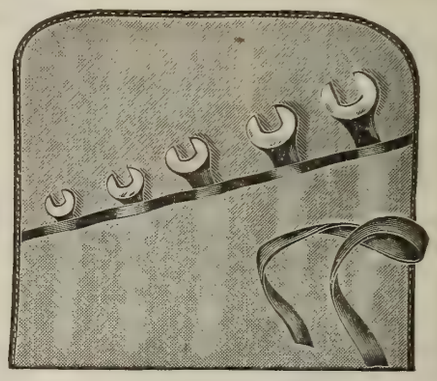
Semi-Finished.

Nos.	Openings, inches.	Length, inches.	Thickness, Head, ins.	Av. wt. doz., lbs.	List doz.
21	1/8 and 3/16	3⅜	¼	¾	3.30
22	1/8 and 1/4	4	¼	1½	4.00
23	3/16 and 1/4	4	¼	1½	4.00
24	3/16 and 5/16	4⅞	5/32	2¼	4.80
25	1/4 and 5/16	4⅞	5/32	2¼	4.80
26	1/4 and 3/8	5⅞	5/16	3¾	6.00
27	5/16 and 3/8	5⅞	5/16	3¾	6.00
28	5/16 and 7/16	6⅞	⅜	5¼	7.20
29	3/8 and 7/16	6⅞	⅜	5¼	7.20
30	3/8 and 1/2	7⅝	13/32	7½	8.64
31	7/16 and 1/2	7¾	13/32	8¼	8.64
32	7/16 and 9/16	8½	7/16	9½	11.20

Drop forged; polished heads; black japanned shank; milled openings.

Open Stock.

GENERAL PURPOSE WRENCHES IN SETS



22½° Angle, Double End.

Semi-Finished.

Set C. List per set 2.70

3 Wrenches:—One each of the following:

No.	Openings, ins.	Length, ins.
500	3/8 and 1/2	6¼
501	19/32 and 11/16	7⅛
503	3/4 and 7/8	9¼

Set D. List per set 6.00

5 Wrenches:—One each of the following:

No.	Openings, ins.	Length, ins.
500	3/8 and 1/2	6¼
502A	9/16 and 11/16	8¼
503	3/4 and 7/8	9¼
504A	15/16 and 1	10⅜
505C	1 1/8 and 1 1/4	12

Average weight per set, 4 pounds.

Average weight per set, 1¼ pounds.
Drop forged; polished heads; black finish shanks; milled openings; in brown canvas roll.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

ENGINEERS WRENCHES

Semi Finished.

No. 2297. List per dozen 10.00

15° Angle, Double End,

7/8 and 31/32 inch openings; 9 inches long, thickness at head 1/4 inch, drop forged from solid bar steel; extra thin; oiled finish shank; polished heads; milled openings; average weight per dozen, 7 pounds.

1/2 dozen in a box.

AUTO WRENCHES

MOSSBERG.

No. 650. List per dozen 4.20

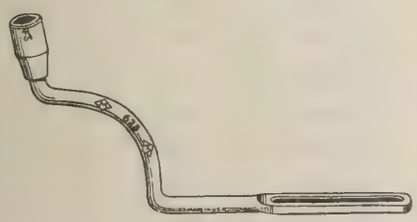
For Ford Hub Caps

Pressed steel; dead black rust proof finish; four openings:—

1 21/32-inch fits hub caps.
1 1/8-in. oval, fits front cone.
31/32-in. fits rear hub lock nuts.
1 5/32-in. fits spindle nuts.

Length over all 8½ inches; average weight per dozen, 6 pounds.

One in an envelope.
1 dozen in a box.



MOSSBERG.

No. 623. List per dozen 10.30

For Connecting Rods on Ford Cars.

High grade steel; thoroughly hardened; dead black, rust-proof finish; hexagon socket opening 41/64ths; 7 inch handle with flat grip; average weight per dozen, 8½ pounds.

1/2 dozen in a box.

MOSSBERG.

No. 630. List per dozen 14.90

Cylinder Head and Rear Axle Housing Nut Wrench for Ford Cars.

High grade steel, thoroughly hardened; nickel plated; double end socket for 21/32 and 33/64 hexagon nuts; single end sock et for 21/32 hexagon nuts; length over all 9 3/4 inches; 7/16 inch rod; average weight per dozen, 9 pounds.

1/2 dozen in a box.

MOSSBERG.

No. 645. List per dozen 11.40

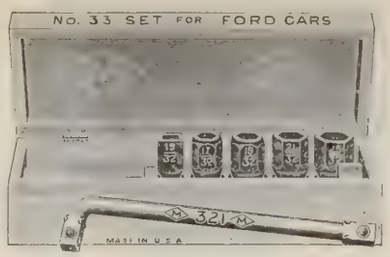
Ratchet

For Reverse and Brake Pedal Tension Springs of Ford Cars.

Pressed steel; rivetted two-piece handle; dead black rust proof finish; one-way ratchet, reversed by turning wrench over; length over all, 6 inches; for 11/16 hexagon nuts; average weight per dozen, 5½ pounds.

1 dozen in a box.

SOCKET WRENCH SETS



MOSSBERG.

No. 33. List per set 3.50

For Ford Automobiles

Consist of:

Double-End Socket Wrench Handle. No. 321; nickel plated; 7¾ inches long.

5 Sockets Dead black rust-proof finish, as follows:—

17/32 hexagon; tapered for rear axle housing nut.

19/32 hexagon; ground to fit engine base bolts.

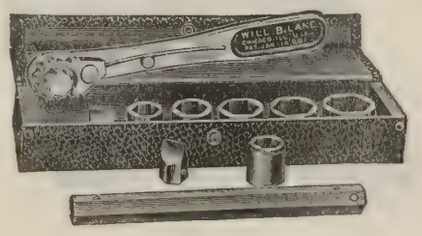
21/32 hexagon; for cylinder head cap screws.

25/32 hexagon.

Oval Socket; for main bearing bolt.

In Wooden Box, varnished and hinged 9½ x 3 x 2¾ inches; average weight per set, 2 pounds.

1 set in a box.



LANES "UNIQUE."

Ford. List per set 7.40

Made of high grade tool steel; natural finish; **contains:**

Ratchet Wrench, right or left hand; 7½ inches long.

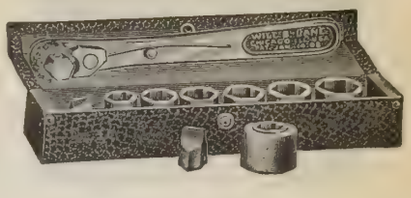
6 Hexagon Sockets, sizes 7/8, 3/4, 11/16, 5/8, 9/16, 1/2-inch.

2 Screw Driver Bits.

1 Extension Rod, 6 inches long.

Packed in leatherette covered box with wood ends; average weight per set, 1¾ pounds.

SOCKET WRENCH SETS



LANES "UNIQUE."

Standard. List per set 7.40

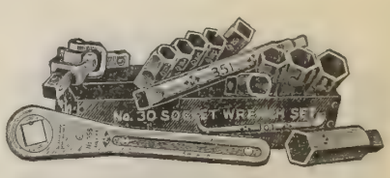
Made of high grade tool steel; natural finish; contains:

Ratchet Wrench, right or left hand; 7½ inches long.

7 Hexagon Sockets, sizes 1/2, 9/16, 19/32, 5/8, 11/16, 3/4 and 7/8 inch.

2 Screw Driver Bits.

Packed in leatherette covered box with wood ends and button snap; average weight per set, 1⅜ pounds.



MOSSBERG.

No. 30. List per set 9.60

For Ford Automobiles.

Consists of:

Ratchet Socket Wrench Handle, No. 355, 8 ins. long; one-way ratchet but reversible by turning it over.

Extension Tube, No. 351. 9½ inches long.

Universal Joint, No. 336; for "turning around a corner."

Double-End Offset Screw Driver, No. 101.

Oval Socket, No. 119F, to fit main bearing bolts.

Spark Plug Socket, No. 407, 31/32 inch, to fit Champion X plug now in common use.

Square Socket, No. 169, 9/32 inch to fit main bearing bolts.

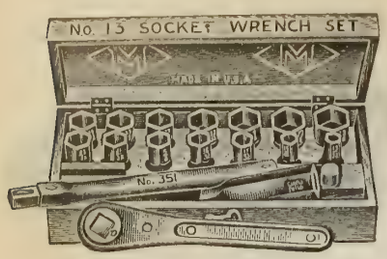
7 Hexagon Sockets:—17/32, 19/32, 21/32, 23/32, 25/32, 29/32, 31/32.

In Wooden Box, varnished and hinged, 10 x 4 x 2¾ inches.

Drawn steel; dead black, rust-proof finish; average weight per set 4½ pounds.

1 set in a box.

SOCKET WRENCH SETS



MOSSBERG.

No. 13. List per set 9.60

Consists of:

Ratchet socket wrench handle, No. 355, 8 inches long; one-way ratchet but reversible by turning it over.

Extension Tube Bar, No. 351, 9½ inches long.

15 Sockets fitting standard sizes, (hegagon) screws, nuts and bolts as follows: 13/32, 15/32, 17/32, 19/32, 5/8, 21/32, 23/32, 25/32, 13/16, 27/32, 29/32, 1 1/32; 1 3/32; one 29/32, hexagon spark plug socket, No. 402, 4 inches long.

In Wooden Box, varnished and hinged, 11¼ x 5¼ x 2¾ inches.

Dead black, rust-proof finish; average weight per set 5¼ pounds.

1 set in a box.

MOSSBERG.

No. 16. List per set 14.00

Concentrated Equipment Set.

Consists of:

One Ratchet Socket Wrench Handle, No. 350. 10 inches long; full nickel plated; reversible ratchet.

One Tubular Extension Bar, No. 351. 9½ inches long.

One Universal Joint, No. 336, for "turning round a corner."

One Double-End Offset Screw Driver.

One Spark Plug Socket, 4 inches long; 29/32 inch opening.

Four Square Sockets, 13/32, 15/32, 17/32, 21/32 inch.

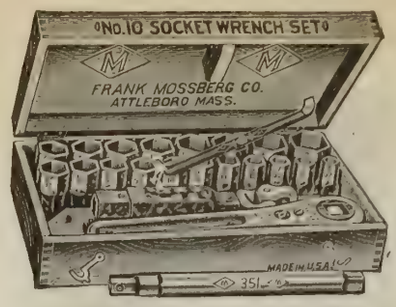
Nine Hexagon Sockets:—17/32, 19/32, 21/32, 23/32, 25/32, 27/32, 29/32, 31/32, 1-9/32 inch.

In Wooden Box, varnished and hinged, 11¼ x 5¼ x 2¾ inches.

Drawn steel; dead black, rust-proof finish (except No. 350 handle); average weight per set, 6 pounds.

1 set in a box.

SOCKET WRENCH SETS



MOSSBERG.

No. 10. List per set 16.00

Consists of:

Ratchet Socket Wrench Handle, No. 350, 10 ins. long; reversible ratchet; full nickel plated.

Extension Tube No. 351, 9½ inches long.

Universal Joint, No. 336, for "turning around a corner."

Double-End Offset Screw Driver.

21 Sockets of pressed steel; rust-proof, black finish, fitting standard sizes, (Hexagon) screws, nuts and bolts as follows:—15/32, 1/2, 17/32, 19/32, 5/8, 21/32, 11/16, 23/32, 25/32, 13/16, 27/32, 7/8, 29/32, 31/32, 1, 1-1/32, 1-3/32, 1-5/32, 1-9/32, two special spark plug sockets, No. 402, 4 inches long, 29/32 opening, No. 422, 4 inches long, 1-5/32 inch opening.

In Wooden Case, varnished, hinged, 12¼ x 6½ x 2⅞ inches; average weight each, 7½ pounds.

1 set in a box.

LANE'S.

"Super-Unique." List per set 22.00

Consists of:

Ratchet Wrench; 9 inch; drop forged; reversible.

Extension Bar; 8 x ⅝ inch; with fixed socket, ⅝ inch on one end.

15 Hexagon Sockets of cold roll steel with broached openings 7/16 to 1-1/4-in.; these sockets are for all regular S.A.E. cap screws and hexagon nuts. Its range on U.S. standard cap screw is from ¼ to 1 inch, and hexagon, nuts from ¼ to ¾ inch (except $\frac{11}{16}$ inch).

In Wooden Box, varnished and hinged, 9¾ x 4 ⅞ x 2 inches; average weight per set, 5¾ pounds.

HEXAGON SOCKETS

MOSSBERG.

Nos.	Size, ins.	Ap. wt. doz. lbs.	List, doz.
115	15/32	1	
117	17/32	1½	
119	9/32	1½	
120	5/8	1½	
121	21/32	1½	
122	11/16	1½	
123	23/32	1½	3.60
124	3/4	1½	
125	25/32	1½	
126	13/16	1⅝	
129	29/32	1¾	
131	31/32	1¾	
133	1 1/32	1⅞	
135	1 3/32	1⅞	

Drawn from flat cold steel; dead black, rust-proof finish preventing rust or corrosion; accurate to size stamped on each one.

1 dozen in a box.

BICYCLE WRENCHES

MOSSBERG.

No. A-3.
6-inch. List per dozen 6.90

Adjustable, With Tire Lever End.

All steel; one-piece head and handle; pressed steel sliding jaw doubled over bar and rivetted; knurled steel adjusting screw; length 5⅞ inches; jaws open 1⅜ inches; depth of jaws $\frac{11}{16}$ inches; mottled finish; average weight per dozen, 6¾ pounds.

1 dozen in a box.

No. 3. List per dozen 7.30

Adjustable.

Satin (dull nickel) **Finish;** all steel; one-piece head and handle; folding steel sliding jaw; knurled steel adjusting screw; length 4⅞ inches; jaws open 1½ inches; depth of jaws ¾ inch; average weight per dozen, 3 pounds.

In individual cartons.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

TWIST DRILLS

Straight Shank; Wire Gauge Sizes.

Nos.	Decimal diam., ins.	Length over all, inches.	Mfs. Standard list, doz.	List dozen
1	.2280	4	2.75	2.48
2	.2210	3 15/16	2.75	2.48
3	.2130	3 15/16	2.75	2.48
4	.2090	3 7/8	2.75	2.48
5	.2055	3 13/16	2.75	2.48
6	.2040	3 13/16	2.50	2.26
7	.2010	3 3/4	2.50	2.26
8	.1990	3 11/16	2.50	2.26
9	.1960	3 11/16	2.50	2.26
10	.1935	3 5/8	2.50	2.26
11	.1910	3 9/16	2.25	2.04
12	.1890	3 9/16	2.25	2.04
13	.1850	3 1/2	2.25	2.04
14	.1820	3 7/16	2.25	2.04
15	.1800	3 7/16	2.25	2.04
16	.1770	3 3/8	2.00	1.80
17	.1730	3 5/16	2.00	1.80
18	.1695	3 5/16	2.00	1.80
19	.1660	3 1/4	2.00	1.80
20	.1610	3 3/16	2.00	1.80
21	.1590	3 3/16	1.90	1.72
22	.1570	3 1/8	1.90	1.72
23	.1540	3 1/16	1.90	1.72
24	.1520	3 1/16	1.90	1.72
25	.1495	3	1.90	1.72
26	.1470	2 15/16	1.80	1.62
27	.1440	2 15/16	1.80	1.62
28	.1405	2 7/8	1.80	1.62
29	.1360	2 13/16	1.80	1.62
30	.1285	2 13/16	1.80	1.62

Nos.	Decimal diam., ins.	Length over all, inches.	Mfs. Standard list, doz.	List dozen
31	.1200	2 3/4	1.75	1.58
32	.1160	2 11/16	1.75	1.58
33	.1130	2 11/16	1.75	1.58
34	.1110	2 5/8	1.75	1.58
35	.1100	2 9/16	1.75	1.58
36	.1065	2 9/16	1.75	1.58
37	.1040	2 1/2	1.75	1.58
38	.1015	2 7/16	1.75	1.58
39	.0995	2 7/16	1.75	1.58
40	.0980	2 3/8	1.75	1.58
41	.096	2 5/16	1.70	1.54
42	.0935	2 5/16	1.70	1.54
43	.089	2 1/4	1.70	1.54
44	.086	2 3/16	1.70	1 54
45	.082	2 3/16	1.70	1.54
46	.081	2 1/8	1.65	1.50
47	.0785	2 1/16	1.65	1.50
48	.076	2 1/16	1.65	1.50
49	.073	2	1.65	1.50
50	.07	1 15/16	1.65	1.50
51	.067	1 15/16	1.60	1.44
52	.0635	1 7/8	1.60	1.44
53	.0595	1 13/16	1.60	1.44
54	.055	1 13/16	1.60	1.44
55	.052	1 3/4	1.60	1.44
56	.0465	1 11/16	1.55	1.40
57	.043	1 11/16	1.55	1.40
58	.042	1 5/8	1.55	1.40
59	.041	1 9/16	1.55	1.40
60	.04	1 9/16	1.55	1.40

Carbon Steel; 1 dozen in a package.

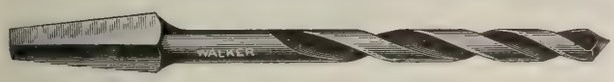
TWIST DRILLS

No. 125. Wood Boring.

Diam. ins. In 32nds.	Length over all, inches.	App. wt. doz. lbs.	Standard List, dozen	List, dozen
4	4½	8/16	3.25	3.42
5	5	½	3.50	3.68
6	5½	¾	4.00	4.20
7	6	⅞	4.50	4.72
8	6½	1	5.00	5.26
10	7½	1½	6.00	6.30
12	8	1⅞	7.00	7.36

Carbon steel; size of shank 3/16 x 3/8 x 1-1/4 ins. long; will fit any brace; specially tempered and pointed for wood, but are not injured with contact by nails, plaster, etc.

1 dozen in a box.



No. 115 Bit Stock

For Wood or Metal

Diam. ins. in 32nds.	Length over all, inches.	App. wt. doz. lbs.	Standard List, dozen	List, dozen
2	3 5/16	½	2.50	2.62
3	3 9/16	½	2.70	2.84
4	3 13/16	⅝	3.00	3.16
5	4 1/16	⅝	3.50	3.68
6	4 5/16	⅝	4.00	4.20
7	4¾	11/16	4.50	4.72
8	5	¾	5.00	5.26
9	5¼	1	6.00	6.30
10	5½	1⅛	7.00	7.36
11	5¾	1¼	8.00	8.40
12	6	1½	8.50	8.92
13	6¼	2	9.25	9.72
14	6½	2	10.50	11.04
15	6¾	2¼	11.75	12.32
16	7	2½	13.00	13.66
17	7¼	3	14.25	14.96
18	7½	3	15.50	16.28
20	7½	3¾	18.00	18.90

Carbon steel; size of shank 3/16 x 3/8 x 1 1/4 inches long; will fit any brace; for drilling metals as well as wood.

2/32 to 16/32, 1 dozen in a box.

Larger sizes, each wrapped separately.

TWIST DRILLS

No. 104 Straight Shank

Jobber's Lengths.

Diam. ins. in 64ths.	Length over all, inches.	App. wt. doz. lbs.	Standard List, dozen	List, dozen
4	2½	1/16	1.60	1.68
5	2⅝	1/16	1.65	1.74
6	2¾	1/16	1.70	1.78
7	2⅞	1/16	1.75	1.84
8	3	⅛	1.80	1.90
9	3⅛	⅛	1.85	1.94
10	3¼	⅛	1.90	2.00
11	3⅜	3/16	2.00	2.10
12	3½	¼	2.25	2.36
13	3⅝	¼	2.50	2.62
14	3¾	5/16	2.75	2.88
15	3⅞	⅜	3.00	3.16
16	4	7/16	3.25	3.42
17	4⅛	½	3.50	3.68
18	4¼	⅝	3.80	4.00
19	4⅜	⅝	4.00	4.20
20	4½	¾	4.35	4.56
22	4¾	1	5.05	5.30
24	5	1¼	6.00	6.30
26	5¼	1½	7.00	7.36
28	5½	1⅝	8.50	8.92
30	5¾	2⅛	10.00	10.50
32	6	2½	12.00	12.60

Carbon Steel.

1 dozen in a package.

No. 113. Blacksmiths'.

Silver and Deming Drills.

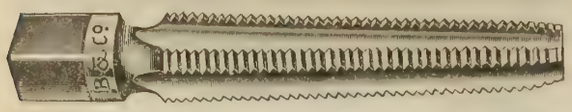
Diam. ins.	Length over all, inches.	App. wt. doz. lbs.	Standard List, dozen	List, dozen
1/8	4⅞	1½	5.40	5.68
3/16	5⅝	1½	6.00	6.30
7/32	5⅝	1½	6.60	6.94
1/4	6	2⅛	7.20	7.56
9/32	6	2¼	7.80	8.20
5/16	6	2¼	8.40	8.82
11/32	6	2¼	9.00	9.46
3/8	6	2¼	9.60	10.08
13/32	6	2½	10.20	10.72
7/16	6	3	10.80	11.34
1/2	6	3	12.00	12.60
9/16	6	3¾	13.20	13.86
5/8	6	3¾	15.60	16.38
11/16	6	4½	18.00	18.90
3/4	6	4½	20.40	21.42

Carbon steel; shank ½-inch diameter, 2¼ inches long; fitting Blacksmiths' Drill Presses as above mentioned.

Each Drill wrapped separately.

HAND TAPS

BLACKSMITHS' TAPER TAPS



Right Hand, "V" Thread.

Diameter, inches	Threads to inch.	Length, over all, inches.	Av. Wgt. each, ozs.	Standard list.	List each
1/4	20	2⅜	½	.50	.70
5/16	16	2 13/16	¾	.50	.70
5/16	18	2 13/16	¾	.50	.70
3/8	16	3¼	⅞	.55	.78
3/8	18	3¼	⅞	.55	.78
7/16	14	3½	1¼	.60	.84
7/16	16	3½	1¼	.60	.84
1/2	12	3⅝	1½	.70	.98
1/2	14	3⅝	1½	.70	.98
1/2	16	3⅝	1½	.90	1.26
5/8	12	4 5/16	3	.90	1.26

Hardened and tempered tool steel; with "V' thread; tapered ¾-inch to the foot; size is measured at largest diameter of the threaded part.

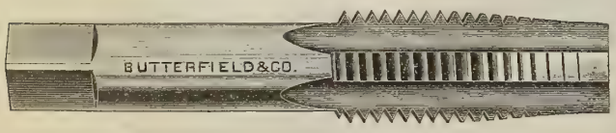
6 in a box.

TAPER HAND TAPS

Exact: U. S. Standard Thread.

Diameter, inches.	Threads to inch.	Length over all, inches.	Tap Drill size, inches.	Av. Wgt. each, Oz.	Standard list.	List each
1/4	20	2 1/2	3/16	½	.45	.46
5/16	18	2 23/32	15/64	¾	.50	.50
3/8	16	2 15/16	19/64	¾	.55	.56
7/16	14	3 5/32	11/32	1¼	.60	.76
1/2	12	3 3/8	25/64	1½	.70	.88
5/8	11	3 13/16	1/2	2¾	.90	1.12
3/4	10	4 1/4	39/64	5	1.20	1.62
7/8	9	4 11/16	23/32	7	1.60	2.16
1	8	5 1/8	53/64	9½	2.00	2.70

Fine tool steel; hardened and tempered; machine cut threads; right hand.



1/32-inch oversize; U. S. Standard Thread.

Diameter, inches.	Threads to inch.	Length over all, inches.	Tap Drill size, inches.	Av. Wgt. each, Oz.	Standard list.	List each
1/4	20	2 1/2	3/16	½	.45	.46
5/16	18	2 23/32	15/64	¾	.50	.50
3/8	16	2 15/16	19/64	¾	.55	.56
7/16	14	3 5/32	11/32	1¼	.60	.76
1/2	12	3 3/8	25/64	1½	.70	.88
5/8	11	3 13/16	1/2	2¾	.90	1.12

Fine tool steel carefully hardened and tempered; machine cut threads; right hand.

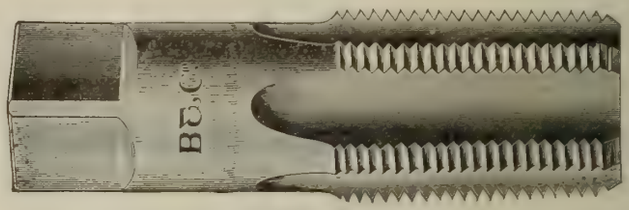
PLUG HAND TAPS

Exact: U. S. Standard Thread.

Diameter, inches.	Threads to inch.	Length over all, inches.	Tap Drill size, inches.	Av. Wgt. each, Oz.	Standard list.	List each
1/4	20	2 1/2	3/16	½	.45	.46
5/16	18	2 23/32	15/64	¾	.50	.50
3/8	16	2 15/16	19/64	¾	.55	.56
7/16	14	3 5/32	11/32	1¼	.60	.76
1/2	12	3 3/8	25/64	1½	.70	.88
5/8	11	3 13/16	1/2	2¾	.90	1.12
3/4	10	4 1/4	39/64	5	1.20	1.62
7/8	9	4 11/16	23/32	7	1.60	2.16
1	8	5 1/8	53/64	9½	2.00	2.70

Fine tool steel; hardened and tempered; machine cut threads; right hand.

PIPE TAPS



Right Hand; Briggs Standard.

Pipe size, ins.	Threads to inch.	Tap Drill size, inches.	Length thread, inches.	Length over all, inches.	Av. Wgt. each, lbs.	Standard list.	List each.
1/8	27	21/64	¾	2⅛	⅛	1.00	.70
1/4	18	29/64	1 1/16	2 7/16	⅛	1.20	.84
3/8	18	19/32	1 1/16	2 9/16	3/16	1.60	1.12
1/2	14	23/32	1⅜	3⅛	5/16	2.00	1.40
3/4	14	15/16	1⅜	3¼	½	2.80	1.96
1	11½	1 3/16	1¾	3¾	13/16	4.40	3.08
1 1/4	11½	1 15/32	1¾	4	1⅝	5.00	4.00
1 1/2	11½	1 23/32	1¾	4¼	2¼	6.00	5.28
2	11½	2 3/16	1¾	4½	3⅜	10.00	8.00

Tempered tool steel; machine cut threads; for use in drill or wrench sockets.

1 in a carton or box.

TAP WRENCHES

Adjustable.

No.	Length, inches.	For Hand Taps, inches.	For Pipe Taps, inches.	Av. Wgt. each, lbs.	List each
1 1/2	9½	3/16 to 7/16		¾	3.50
3	16	⅜ to ⅝		2	6.00
4	20	½ to ⅞	⅛, ¼, ⅜, ½	3¾	8.00

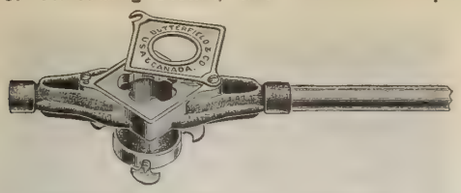
An efficient wrench at a reasonable price; steel head and handles; hardened tool steel jaws; full polished.

1 in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

SOLID DIE PLATES

For Threading Steam, Gas and Water Pipes



Standard "V" Thread, Right Hand.

No. 1. List per set 14.50

For threading ¼, ⅜, ½, ¾, 1-inch pipe; can add ⅛-inch; dimensions of dies $2\frac{5}{16}$ x $2\frac{5}{16}$ x ¾-inch; average weight per set, 12½ pounds.

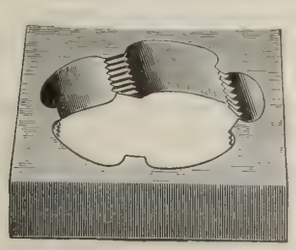
No. 1½. List per set 13.00

For threading ¾, 1, 1¼, inch pipe; can add ¼, ⅜, ½-inch; dimensions of dies 2⅞ x 2⅞ x ¾-inch; average weight per set, 14 pounds.

Japanned malleable iron stock with polished plate; polished steel tube detachable handles; tool steel dies carefully tempered and accurately cut.

1 set in a box.

SOLID PIPE DIES



Standard, "V" Thread, Right Hand.

Nos.	For stock No.	For threading pipe, inches	List each
1 x 1/4	1	¼	2.20
x 3/8	1	⅜	2.20
x 1/2	1	½	2.20
x 3/4	1	¾	2.20
x 1	1	1	2.20

Size 2 5/16 x 2 5/16 x 3/4 inch.

Average weight each ⅞-pound.

Nos.	For stock No.	For threading pipe, inches	List each
1 1/2x3/4	1½	¾	3.00
x1	1½	1	3.00
x1 1/4	1½	1¼	3.00
x1 1/2	1½	1½	3.00

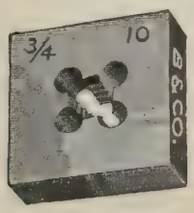
Size 2 7/8 x 2 7/8 x 3/4 inch.

Average weight each, 1¼ pounds.

High grade tempered tool steel; accurately cut threads; will fit standard makes of solid die stocks.

Each in a carton.

SOLID SQUARE BOLT DIES



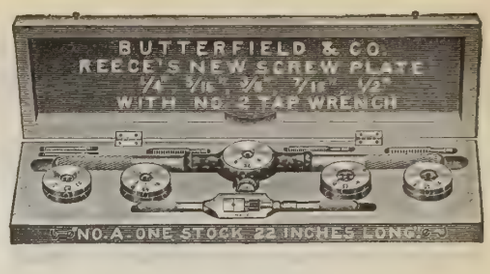
1/32-inch oversize; U. S. Standard Thread.

Cutting size, inches	Threads to inch.	Size of square, inches	Thickness, inches.	Stand. list.	List each
1/4	20	2½	½	1.80	2.70
5/16	18	2½	½	1.80	2.70
3/8	16	2½	½	1.80	2.70
7/16	14	2½	½	1.80	2.70
1/2	12	2½	¾	1.80	2.70
5/8	11	2½	¾	2.00	3.00
3/4	10	2½	¾	2.25	3.38

High grade tempered and machined tool steel; polished; average weight each, ⅞ pounds.

1 in a box.

SCREW PLATES



"REECE'S"

No. A. List per set 29.60

1/32-inch over size; U. S. Standard Thread

Set consists of:—

5 Collets and Dies cutting ¼-20, $\frac{5}{16}$-18, ⅜-16, $\frac{7}{16}$-14, ½-12, all 1/32-inch oversize; 2¾-inch diameter.

5 Taper Hand Taps cutting 9/32-20, 11/32-18, 13/32-16, 15/32-14, 17/32-12 exact.

1 Stock, No. D8; 22 inches long, with mottled head and knurled and polished handles.

1 Adjustable Tap Wrench No. 9; 10 inches long; for 3/16 to 1/2-inch hand taps; blued head; knurled and polished handles.

Packed in varnished hardwood, hinged box 25½ x 8½ x 2½ inches; average weight each, 15 pounds.

Standard List 18.50.

"DERBY"

No. 102. List per set 40.00

1/32-inch oversize; U. S. Standard Thread.

Set consists of:—

7 Collets and Dies cutting 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-12, 5/8-11, 3/4-10, all 1/32 inch oversize; comprising 4 Derby dies 1-5/16-inch diameter contained in collets 1-5/8-inch diameter; 3 Reece dies 2 inches diameter contained in collets 2-3/4 inches diameter.

7 Taper Hand Taps cutting 9/32-20, 11/32-18, 13/32-16, 15/32-14, 17/32-12, 21/32-11, 25/32-10, exact.

2 Stocks; one No. D5, 14 inches long to take Derby collets; one No. D9, 26 inches long to take the Reece collets; both with mottled head; knurled and polished handles.

1 Adjustable Tap Wrench, No. 10, 15 inches long; for ¼ to ¾-inch hand taps; blued head; knurled and polished handles.

Packed in varnished hardwood, hinged box, 29 x 8½ x 2½ inches; average weight each, 18 pounds.

Standard List 27.50.

SCREW PLATES

"REECE'S"

No. CC. List per set **44.00**

1/32-inch oversize; U. S. Standard Thread.

Set consists of:—

7 Collets and Dies cutting 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-12, 5/8-11, 3/4-10, all 1/32-inch oversize; comprising 4 Derby dies 1-5/16-inch diameter contained in collets 1-5/8-inch diameter, 3 Reece's dies in collets 2-3/4 inches diameter.

7 Taper Hand Taps cutting 9/32-20, 11/32-18, 13/32-16, 15/32-14, 17/32-12, 21/32-11, 25/32-10, exact.

2 Stocks; one Derby No. D5, 14 inches long to take the Derby collets; one No. D9, 26 inches long to take the Reece collets; both with mottled head and knurled and polished handles.

1 Adjustable Tap Wrench No. 10, 15 inches long; for ¼ to ¾-inch hand taps; blued head; knurled and polished handles.

Packed in varnished hardwood, hinged box 29 x 8½ x 2½ inches; average weight each, 18 pounds.

Standard List 27.50.

"REECE'S"

No. C. List per set **44.00**

1/32-inch oversize; U. S. Standard Thread.

Set consists of:—

7 Collets and Dies cutting 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-12, 5/8-11, 3/4-10, all 1/32 inch oversize; 2-3/4-inch diameter.

7 Taper Hand Taps cutting 9/32-20, 11/32-18, 13/32-16, 15/32-14, 17/32-12, 21/32-11, 25/32-10, exact.

1 Stock, No. D9, 26 inches long; with mottled head, knurled and polished handles.

1 Adjustable Tap Wrench, No. 10, 15 inches long; for ¼ to ¾ inch hand taps; blued head; knurled and polished handles.

Packed in varnished hardwood, hinged box 29 x 8½ x 2½ inches; average weight each, 21 pounds.

Standard List 27.50.

SCREW PLATES

"REECE'S"

No. B. List per set **46.80**

1/32-inch oversize; U. S. Standard Thread.

Set consists of:—

5 Collets and Dies cutting 1/2-12, 5/8-11, 3/4-10, 7/8-9, 1-8, all 1/32-inch oversize; 2-3/4-inch diameter.

5 Taper Hand Taps cutting 7/32-12, 21/32-11, 25/32-10, 29/32-9, 1 1/32-8, exact.

1 Stock, No. D9, 26-inches long, with mottled head and knurled and polished handles.

1 Adjustable Tap Wrench, No. 11, 20-inches long; for ⅜ to 1-inch hand taps; blued head; knurled and polished handles.

Packed in varnished hardwood, hinged box 29 x 8¾ x 2½ inches; average weight each, 21 pounds.

Standard List 29.25.

"REECE'S"

No. D. List per set **56.00**

1/32-inch oversize; U. S. Standard Thread.

Set consists of:—

7 Collets and Dies cutting 3/8-16, 7/16-14, 1/2-12, 5/8-11, 3/4-10, 7/8-9, 1-8, all 1/32-inch oversize, 2-3/4-inch diameter

7 Taper Hand Taps cutting 13/32-16, 15/32-14, 17/32-12, 21/32-11, 25/32-10, 29/32-9, 1 1/32-8, exact.

1 Stock, No. 9, 26 inches long; with mottled head, knurled and polished handles.

1 Adjustable Tap Wrench, No. 11, 20 inches long, for 3/8 to 1-inch hand taps and 1/4, 3/8, 1/2-inch pipe taps; mottled head; knurled and polished handles.

Packed in varnished hardwood, hinged box 29 x 8½ x 2½ inches; average weight each, 22 pounds.

Standard List 35.00.

SCREW PLATES

"REECE'S"

No. EE. List per set 67.20

1/32-inch oversize; U. S. Standard Thread.

Set consists of:—

9 Collets and Dies cutting 1/4-20, 5/16-18, 3/8-16, 7/16-14, 1/2-12, 5/8-11, 3/4-10, 7/8-9, 1-8, all 1/32-inch oversize; comprising 4 Derby dies 1 5/16 inch diameter contained in collets 1 5/8 inch diameter; 5 Reece's dies in collets 2 3/4 inch diameter.

9 Taper Hand Taps cutting 9/32-20, 11/32-18, 13/32-16, 15/32-14, 17/32-12, 21/32-11, 25/32-10, 29/32-9, 1 1/32-8, exact.

2 Stocks; one No. D5, 14 inches long to take Derby collets; one No. D9, 26 inches long to take the Reece collets; both with mottled head, knurled and polished handles.

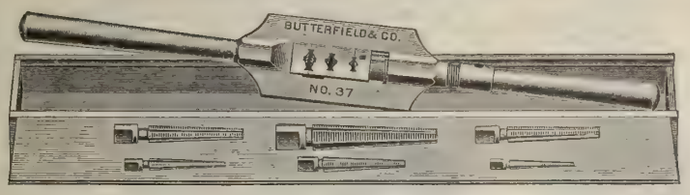
2 Adjustable Tap Wrenches; one No. 9, 10 inches long; one No. 11, 20 inches long; for taps 3/16 to 1 inch; blued heads; knurled and polished handles.

Packed in varnished hardwood, hinged box 29 x 8½ x 2½ inches; average weight each, 22 pounds.

Standard List 42.00.

BLACKSMITH'S STOCKS AND DIES

With End Adjusting Screws.



No. 41A. Cuts 3/16 to 1/2. List per set 10.50

Right Hand. With 6 Taps and 3 Sets of Dies.

Sizes:—3/16 to 1/4, 1/4 to 5/16-18 threads; 1/4 to 5/16, 5/16 to 3/8-16 threads; 5/16 to 7/16, 3/8 to 1/2-14 threads; length of stock, 14 inches; average weight per set, 3 1/4 pounds.

1 set in a box.

Standard List 7.50.

No. 42. Cuts ⅛ to ½. List per set 10.50

Right and Left Hand.

With 6 Taps and 3 Sets of Dies.

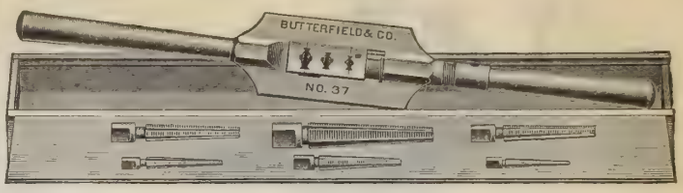
Sizes:—1/8 to 1/4, 3/16 to 5/16-20 threads, right hand; 5/16 to 7/16-14 threads, left hand; 3/8 to 1/2-14 threads, right hand; 3/8 to 1/2-14 threads, left hand; length of stock 14 inches; average weight per set, 2 1/4 pounds.

1 set in a box.

Standard List 7.50.

BLACKSMITH'S STOCKS AND DIES

With End Adjusting Screws.



No. 34. Cuts 1/4 to 3/4. List per set 11.90

Right Hand, With 3 Taps and 3 Sets of Dies.

Sizes 1/4 to 7/16-16 threads; 5/16 to 9/16-12 threads; 1/2 to 3/4-10 threads; length of stock 22 1/2 inches; average weight per set, 5 pounds.

1 set in a box.

Standard List 8.50.

With End Adjusting Screw.

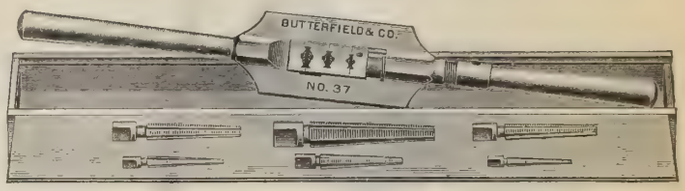
No. 34A. Cuts 5/16 to 3/4. List per set 11.90

Right Hand, with 3 Taps and 3 Sets of Dies.

Sizes:—5/16 to 7/16-14 threads; 7/16 to 9/16-12 threads; 5/8 to 3/4-10 threads; length of stock 22 1/2 inches; average weight per set, 4 3/4 pounds.

1 set in a box.

Standard List 8.50



No. 34B. Cuts 5/16 to 3/4. List per set 11.90

Right Hand, with 3 Taps and 3 Sets of Dies.

Sizes:—5/16 to 7/16-16 threads; 3/8 to 1/2-14 threads; 5/8 to 3/4-12 threads; length of stock, 22 1/2 inches; average weight per set, 4 3/4 pounds.

1 set in a box.

Standard List 8.50

No. 37. Cuts 3/16 to 5/8. List per set 11.90

Right Hand, with 6 Taps and 3 Sets of Dies.

Sizes:—3/16 to 1/4, 1/4 to 5/16-22 threads; 5/16 to 3/8, 5/16 to 7/16-18 threads; 3/8 to 1/, 1/2 to 5/8-14 threads; length of stock, 18 1/2 inches; average weight per set, 3 1/2 pounds.

1 set in a box.

Standard List 8.50.

No. 37A. Cuts 3/16 to 5/8. List per set 11.90

Right Hand, with 6 Taps and 3 Sets of Dies.

Sizes:—3/16 to 1/4, 5/16 to 3/8-16 threads; 5/16 to 7/16, 3/8 to 1/2-14 threads; 3/8 to 1/2, 1/2 to 5/8-12 threads; length of stock, 18 1/2 inches; average weight per set, 3 1/2 pounds.

1 set in a box.

Standard List 8.50.

No. 37B. Cuts 3/16 to 5/8. List per set 11.90

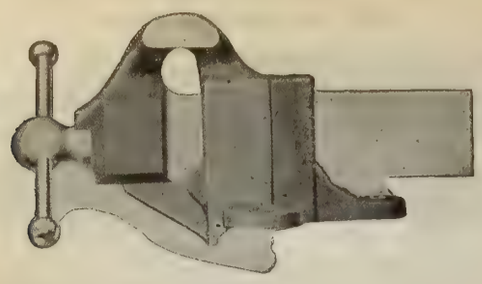
Right Hand, with 6 Taps and 3 Sets of Dies.

Sizes:—3/16 to 1/4, 1/4 to 5/16-18 threads; 5/16 to 3/8, 3/8 to 1/2-16 threads; 3/8 to 1/2, 1/2 to 5/8-14 threads; length of stock 18 1/2 inches; average weight per set, 3 1/2 pounds.

1 set in a box.

Standard List 8.50.

MACHINISTS VISES



Nos.	Width Jaw, ins.	Opens, ins.	App. Wt., lbs.	List each
103	3	4	22	17.00
103½	3½	5	27	19.10
104	4	6	42	21.70
104½	4½	6½	53	26.50
105	5	7½	72	34.00

Solid Jaw, Stationary Base.

Heavy built, well machined frame; cast-steel jaws; heavy solid steel screw with square thread; polished steel sliding handle bar and screw head.

Open Stock.

Nos.	Width Jaw, ins.	Opens, ins.	App. Wt., lbs.	List each
203½	3½	5	37	25.50
204	4	6	52	29.00
204½	4½	6½	65	34.00
205	5	7½	90	51.00

Solid Jaw, Swivel Base.

Heavy built, well machined frame; cast-steel jaws; heavy solid steel screw with square thread; polished steel sliding handle bar and screw head.

Open Stock.

BENCH VISES

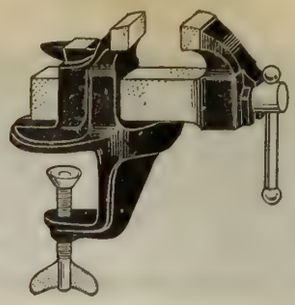
No. 30. List per dozen 24.50

Clamp Base.

Japanned, cast iron; ground and polished jaws 1½ inches wide, opening 1¾ inches; ½-inch cut screw; sliding handle; screw clamp opens 1⅛ inches; length over all 5½ inches; average weight each, 2 pounds.

Open Stock.

BENCH VISES



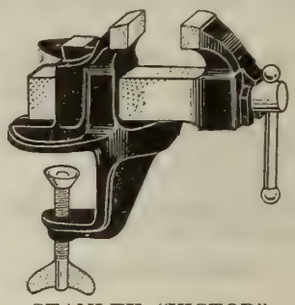
STANLEY "VICTOR."

No. 743. List each 1.85

Clamp Base; 2-Inch Iron Jaws.

The screw (body, head and collar) is of one-piece of cold rolled steel with a square, lathe-cut thread working in a malleable nut. A patented split washer is placed under the head of screw to take up the wear; inserted jaws, ground and filed to fit; average weight each, 3½ pounds.

1 in a paper package.



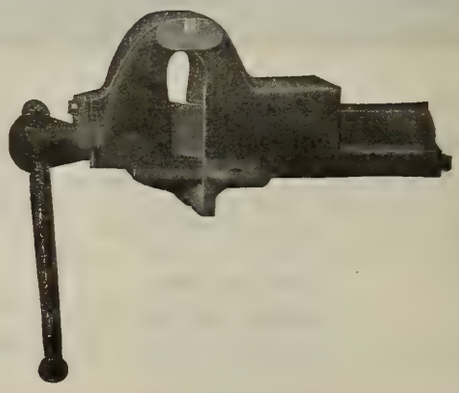
STANLEY "VICTOR"

No. 745. List each 2.55

Clamp Base; 2½-Inch Iron Jaws.

The screw (body, head and collar) is one-piece of cold rolled steel with a square, lathe-cut thread, working in a malleable nut. A patented split washer is placed under the head of screw to take up the wear; interted jaws, ground and filed to fit; average weight each 5 pounds.

1 in a paper package.



Oval Slide.

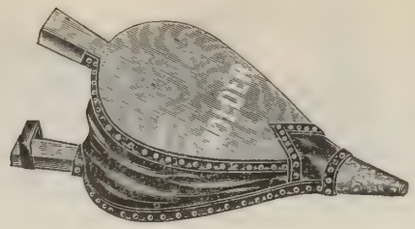
Nos.	Width Jaw, ins.	Opens, ins.	App. Wt., lbs.	List each
602½	2½	3	9	5.50
603	3	3½	13	7.00
603½	3½	4	18	8.50
604	4	6	23	11.70

Japanned, cast iron; carefully milled jaws; cut steel screw; sliding handle.

Open Stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

MOULDERS BELLOWS



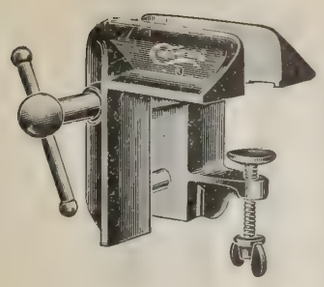
No. 100. List per dozen 44.40

Length, 10 Inches.

Well seasoned wood sides and handles; to insure maximum strength the grain runs straight with the handles; fastened with steel hinge which relieves the covering from all strain; heavy galvanized nozzle securely fastened and covered with extra grade of genuine leather; average weight per dozen, 40 pounds.

Open stock.

CARPENTER'S VISES



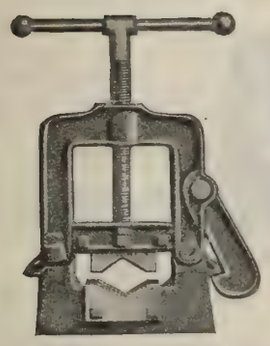
CHAMPION.

No. 555. List each **6.50**

Japanned semi-steel jaws with milled faces and screw holes for fastening in wooden jaws if necessary; tool steel screw with square machine cut threads; polished screw head and sliding handle bar; jaws 5 inches long, open 3 inches; with screw clamp to fasten to anything from ⅞ to 2¼ inches thick; average weight each, 4 pounds.

1 in a carton.

PIPE VISES



Hinged, Self-Locking.

No. 71. List each **10.00**

Holds ⅛ to 2½-inch pipe; 11¼ inches high; weight each, 10½ lbs.

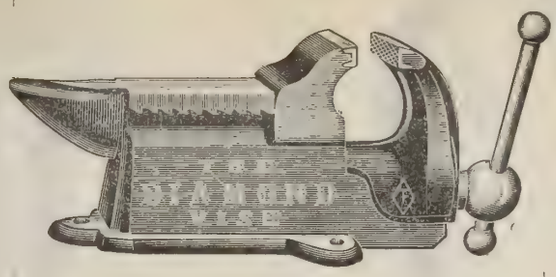
No. 72. List each **15.00**

Holds ¼ to 3½-inch pipe; height, 15 ins.; weight each, 15 pounds.

Japanned malleable iron frame; jaws are milled from solid steel bars, carefully hardened and tempered in oil; steel screw and sliding handle; base has lug on both sides, making it possible to lock either side.

Open Stock.

COMBINATION VISE AND ANVIL



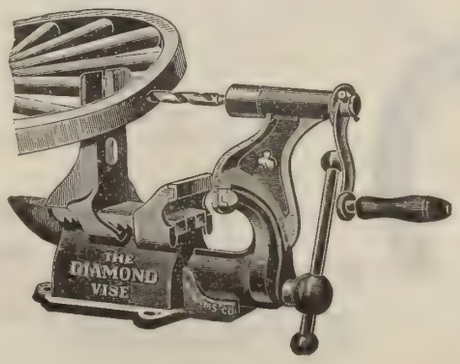
"Diamond". List each **13.00**

Vise, Anvil and Pipe Holder.

Tempered and polished steel faced jaws 4 inches wide; green painted cast iron body, horn and slide; polished anvil face 2¾ x 7 inches; self locking movable jaw, opens to 12 inches; ¾-inch steel screw with square cut threads; polished screw head and slide handle; holds pipe up to 2 inches; length over all, closed 17 inches; average weight each, 44 pounds.

Open Stock.

DRILL ATTACHMENTS



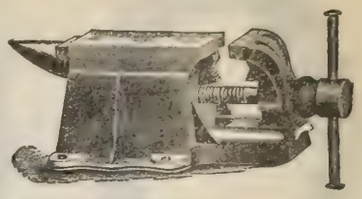
For Use with "Diamond" Vise.

"Diamond." List each **6.00**

Green painted cast-iron; plain hardwood handle; takes square shank drills up to ¾-inch; average weight, 16 pounds.

1 in a box.

COMBINATION VISES AND ANVILS



No. 500. List each **5.30**

Vise and Anvil with Pipe Jaws

Case iron, japanned body; chilled jaws 3 inches wide, opening 4 inches; chilled anvil face 3 x 7 inches; steel screw; sliding handle; with pipe jaws; length over all 16½ inches; average weight each, 25 pounds.

EXTRA SLIDING JAWS FOR No. 500 VISES

List each **1.00**

Average weight each, 3 pounds.

Open Stock.

BORAX

CRYSTALIZED.

List per pound ..... **.19**

Refined lump borax; for welding metals; also used for laundry purposes.

Open Stock.

WELDING COMPOUND

CLIMAX.

5-lb. boxes. List per pound ..... **.26**

A reliable welding compound; welds iron and all grades of steel.

5 pounds in a wooden box.

HORSE SHOES

Front. Hind.

BELL BRAND; LIGHT IRON PATTERN.

Front.

Size Nos.	1	2	3	4	5	6
List per keg	16.40	15.90	15.90	15.90	15.90	15.90
Av. wt. each, ozs.	15	17½	21½	24¾	30	36
Av. No. in keg	116	90	76	64	54	44

Hind.

Size Nos.	1	2	3	4	5	6
List per keg	16.40	15.90	15.90	15.90	15.90	15.90
Av. wt. each, ozs.	12¼	14¾	18	21¼	25½	29½
Av. No. in keg	133	108	91	74	64	56

Front and Hind Assorted.

Size Nos.	1	2	3	4	5	6
List per keg	16.40	15.90	15.90	15.90	15.90	15.90
Av. No. in keg	117	97	81	68	57	48

Made from the best double refined iron; uniform in weight and style; well creased, with holes punched clean and properly spaced.

100 pounds in a keg.

CALKED HORSE SHOES

NEVERSLIP.

Iron "B" Pattern

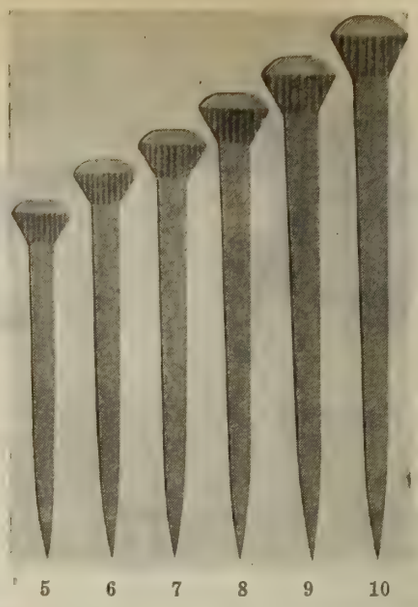
Size Nos.	1	2	3	4	5	6	7
List, set (4)	2.52	2.80	2.98	3.34	3.96	4.24	4.68
Av. wt. set, lbs.	3½	4	4¾	5½	7¾	8½	10
Calk size, ins.	⅜	7/16	7/16	½	9/16	⅝	⅝

In Sets of 4, Two Front and Two Hind.

Made from selected stock, double refined; bevelled to prevent snow from balling in hoof; well creased; clean punched holes; drilled and fitted with No. 4 Neverslip Calks; ends painted red.

Open Stock.

HORSE SHOE NAILS



M. R. M. CO. COLD PROCESS.

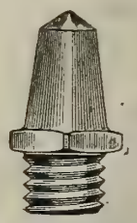
Regular Head.

Nos.	5	6	7	8	9	10
5 lb. boxes.						
List per pound	.43	.40	.37	.37	.36	.36
25 lb. boxes.						
List per box	10.00	9.40	8.80	8.80	8.40	8.40
Length, inches	1 15/16	2⅛	2 5/16	2½	2 11/16	2⅞
Av. No. in pound	180	146	111	92	76	68

Bright, cold rolled, best quality Swedish open hearth steel; smooth finish; scored head; hand sorted; uniform in head, blade and quality.

5 pounds in a carton.
5 cartons (25 pounds) in a wood box.

HORSE SHOE CALKS



"NEVERSLIP," RED TIP.

No. 4. Diam. screw, inches	5/16	3/8	7/16	1/2	9/16
List per 100	5.28	5.28	5.62	5.62	5.96
Av. wt. per 100, lbs.	1½	3¼	4	5	7

Square Shouldered; made from selected stock; hard centre, self-sharpening; adapted for use on icy streets; accurately cut threads; will screw into and out of holes bored in any ordinary horseshoe.

½ hundred in a box.

WRENCHES FOR SCREW CALKS

"Neverslip." List per dozen 17.30

Drop forged steel; raised head; polished faces; half milled V jaw; natural finish handle; 9 inches long; average weight per dozen, 9 pounds.

Each wrench paper wrapped.

CALKED HORSE SHOES

"NEVERSLIP," CREASED STEEL

Size Nos. ...	1	2	3	4	5	6	7
List set (4)..	3.06	3.24	3.60	3.96	4.32	4.68	5.22
Calk size, ins.	3/8	7/16	7/16	1/2	1/2	9/16	9/16
Ap. wt. set, lbs.	3½	4	5¼	6¼	7¼	7½	10

In sets of 4, two front and two hind.

Made of the highest grade of drop forged steel; an excellent shoe for use on medium weight horses, bevelled to prevent snow from balling in hoof, well creased, clean punched holes, drilled and fitted with No. 4 Neverslip Calks; end painted red.

Open stock.

CALK HAND TAPS

"NEVERSLIP."

Size, inches	3/8	7/16	1/2	9/16	5/8
List per dozen	9.20	10.20	11.20	12.30	14.30
Av. wt. doz., lbs.	7/8	1⅛	1⅝	2	2⅝

Finest quality tool steel hardened and tempered; for taping horse shoes for Neverslip Calks; can be used with any tap wrench.

1 dozen in a box.

TINNERS SNIPS

"WISS."

No. 19. List per pair 5.00

Combination Pattern.

Length, 12½ inches; cut 3 inches. Forged steel frame; finest crucible bar steel laid cutting blades; carefully welded and tempered; blued handles; polished straight blades, ground and shaped for cutting curves as well as for straight work. Warranted; average weight per pair, 1¾ pounds.

1 pair in a box.

TINNERS SNIPS

No. 101. List per dozen pairs 11.50

Cast Semi-Steel.

3-inch cut; 11½ inches long; polished blades; black japanned handles; average weight per dozen, 15 pounds.

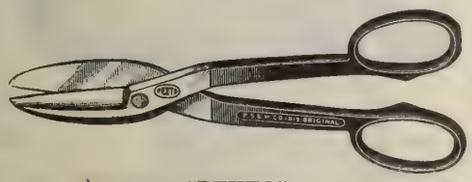
½ dozen in a box.

No. A9. List per pair 2.62

Solid Steel.

3-inch cut; 12¾-inches over all; polished blades; black japanned handles; straight pattern; average weight per dozen, 22 pounds.

½ dozen in a box.



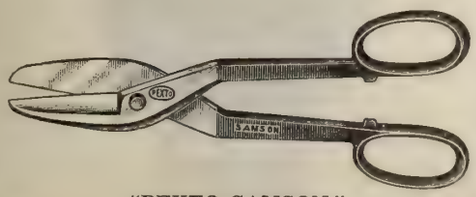
"PEXTO"

No.	10	9	8
List per pair	4.50	4.80	5.50
Length of cut, ins.	2½	3	3½
Length over all, ins.	11	12	13½
Will cut iron, No.	28	27	26
App. wt. pair, lbs.	1¼	1¾	2¼

Straight Pattern.

Forged from selected material; superfine steel laid cutting blades carefully welded and tempered; blued handles; polished head.

1 pair in a box.



"PEXTO SAMSON."

No. 49. List per pair 4.20

Straight Pattern.

A snip of superior quality; forged from special high grade material; fine steel laid blades; blued handles; polished head; length of cut 3⅛ inches; length over all 12¾ inches; will cut No. 27 iron; average weight per pair, 1⅞ pounds.

1 pair in a box.

TINNERS SNIPS

"WISS."

Nos.	Full Length, ins.	Cut, ins.	App. wt. pair, lbs.	List per pair
12	8¼	2	½	2.60
11	9¾	2¼	¾	3.00
10	11¾	2½	1½	4.10
9	12¾	3	2	4.50
8	14	3½	2¼	5.10
7	14¾	4	3¼	6.40

Straight Pattern.

Forged steel frames; finest crucible bar steel laid cutting blades, carefully welded and tempered; blued handles; polished blades; warranted.

Nos. 12 and 11, 6 pairs in a box.

Nos. 10 to 7, 1 pair in a box.

"WISS."

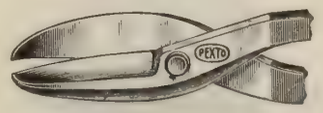
No. 100. List per pair 4.60

Combination Pattern.

Length, 11¾ ins.; cut, 2½ ins.

Forged steel frame; finest crucible bar steel laid cutting blades, carefully welded and tempered; blued handles; polished straight blades, ground and shaped for cutting curves as well as for straight work. Warranted; average weight per pair, 1½ pounds.

1 pair in a box.



"PEXTO."

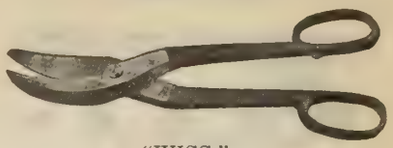
No. 9C. List per pair 7.50

Circular Pattern.

Forged from selected material; superfine steel cutting blades carefully welded and tempered; blued handles; polished head; length of cut, 3 inches; length over all, 12 inches; will cut No. 27 iron; average weight per pair, 1¾ pounds.

1 pair in a box.

TINNERS SNIPS



"WISS."

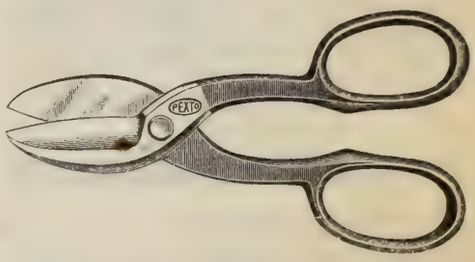
Nos.	10.CB	9.CB	8.CB
List per pair	6.40	7.00	7.60
Cut, inches	2½	3	3½
Length, inches	11¾	12¾	14
App. wt. pair, lbs.	1½	2	2¼

Circular Pattern.

Forged steel frames; finest crucible bar steel laid cutting blades, carefully welded and tempered; blued handles; polished blades. Warranted.

1 pair in a box.

POCKET SNIPS



"PEXTO."

No. 82. List per dozen 28.00

General Purpose Pocket Snip.

Solid forged steel; Pexto quality; blued handles; polished head; length of cut, 2 inches; length over all, 7 inches; average weight per dozen, 6 pounds; one in an envelope.

½ dozen pairs in a box.

HOLLOW PUNCHES

Diameter, inches.	App. wt. each, ozs.	List per dozen.
3/8	2¾	18.00
1/2	3	24.00
5/8	5¼	30.00
3/4	7	36.00
7/8	8¼	41.50
1	10¼	48.00
1 1/8	14	54.00
1 1/4	18	60.00

Forged steel; polished hollow head; black solid shank; length over all, 4 to 5¼ inches.

½ dozen in a box.

SOLID PUNCHES

"PEXTO."

Nos.	Face, Diam., inches.	For rivets, pounds.	List per dozen.
4	.213	7-8	4.90
5	.188	4-5-6	4.90
6	.168	3-3½	4.90
7	.145	2-2½	4.80
8	.128	1¼-1½-1¾	4.80

Forged steel; polished head; black octagon body; length 4½ inches; average weight per dozen, 1⅝ pounds.
1 dozen in a box.

PRICK PUNCHES

No. 5. List per dozen 4.80

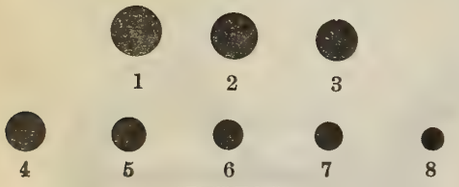
Forged steel; polished point; black octagon body; length 4½ inches; average weight per dozen, 21 ounces.
1 dozen in a box.

MACHINISTS' DRIFT PUNCHES

8-inch. List per dozen 3.60

Forged octagon steel; oil finish; polished head and round tapered point; ½-inch diameter; 3/16-inch point; average weight per dozen, 9 pounds.
1 dozen in a box.

RIVET SETS



"PEXTO."

Size	1	2	3	4
List per dozen	13.50	13.50	11.50	11.50
For iron rivets, lbs.	7-8	6	4-5	2½-3
For cop'r rivets, No.	6	7	8	9
For cop'r rivets, ins.	7/32	3/16	5/32	9/64
App. wt. doz., lbs.	6¾	6¾	5	5

Size	5	6	7	8
List per dozen	8.00	8.00	7.60	7.60
For iron rivets, lbs.	1¾-2	1½	1¼	⅝-¾
For cop'r rivets, No.	10-11	12	13	14
For cop'r rivets, ins.	1/8	7/64	3/32	3/32
App. wt. doz., lbs...	5	2¾	2¾	2¾

Tinners' Sets and Headers.

Forged from high quality steel; made to meet hard service; half polished head; japanned body; average length, 4⅜ ins.
½ dozen in a box.

RIVET SETS

No. 8. List per dozen 2.70

Tinners' Sets and Headers.

7/64-inch hole; for 8 and 10 oz. rivets.

Cast steel; japanned body; polished head; length over all 4 3/16 inches; average weight per dozen, 3 pounds.

10/12 dozen in a box.

SOLDERING COPPERS

FOR COMMON USE.

Weight Pair, lbs.	Length, inches.	Sqr. of Body, ins.		List, pound.
1	11	⅝	....	.96
1½	11	¾	....	.88
2	12	⅞	....	.82
2½	12½	1	....	.78
3	13	1	....	.76
4	13¼	1⅛	....	.70
5	14¼	1¼	....	.70
6	16	1⅜	....	.70
8	16	1½	....	.70

Made of the best Lake Superior bar copper; square body with corners bevelled; square taper point; japanned iron looped shank.

Open Stock.

SOLDERING SETS

ECONOMY

No. 1. List per dozen 4.80

Comprises one light soldering iron 10½ inches long; one tin scraper; one piece of solder and one box of resin; average weight per dozen sets, 2½ pounds.

1/12 dozen in a carton.

SOLDERING SETS

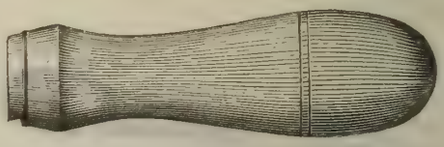
"MILLER'S FALLS."

No. 2. List per dozen 32.00

Comprises one soldering copper, ⅞-inch diameter, 2¼ inches long with square taper point, twisted wire shank and wood handle; one scraper, 15/16-inch blade, round shank, wood handle; one bar of solder and box of resin; average weight per dozen sets, 11½ pounds.

1/12 dozen in a wooden box.

SOLDERING COPPER HANDLES



No. 670. List per dozen 1.50

Plain soft wood; bored; bright steel ferrule; size 5½ x 1⅜ inches; average weight per dozen, ¾ pound.

Open Stock.

SOLDERING PASTE

IMPERIAL.

2 Oz. Tins. List per dozen 2.50

4 Oz. Tins. List per dozen 4.00

A convenient and reliable preparation in paste form for plumbing, electrical and general soldering; in handy lithographed tins; average weight per dozen, 2 oz. 1¾ pounds; 4 oz. 3¼ pounds.

1 dozen in a counter display carton.

GASOLINE FIRE POTS

CLAYTON AND LAMBERT

No. 72. List each 31.00

Capacity, 5 pints.

Improved Double Blunt Needle Type; noiseless, smokeless and odorless; double burner; generator sub-flame; brass automatic pump; drawn steel tank tinned inside and out with black iron bottom rim; black sheet steel hood; coppered wire handle with coiled grip; heats 8 pound copper while melting a pot of metal; base 8⅜ inches diameter; height 12½ inches; shipping weight, 13½ pounds.

1 in a carton.

CLAYTON AND LAMBERT

No. 71. List each 34.00

Capacity, 7 pints.

Improved Double Blunt Needle Type; noiseless, smokeless and oderless; double burner; generator sub-flame; brass automatic pump; drawn steel tank, tinned inside and out with black iron bottom rim; black sheet steel hood; coppered wire handle with coiled grip; heats 12-lb. copper while melting a pot of metal; base 9¾ inches diameter; height 12½ inches; shipping weight, 14¼ pounds.

1 in a carton.

GASOLINE TORCHES

CLAYTON AND LAMBERT.

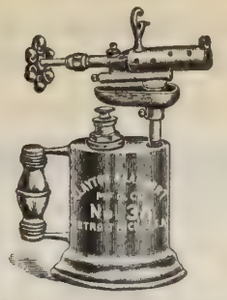
No. 122. List each 15.50

Pint Size.

Polished seamless brass tank, handle and pump; soldered, concave bottom with improved filler plug; quick generating, improved burner; pump in handle fitted with double spring automatic check valve; detachable soldering copper attachment; cast iron drip cup; shipping weight, each 3 pounds.

1 in a carton.

GASOLINE TORCHES



CLAYTON AND LAMBERT.

No. 38. List each 18.50

Pint Size.

With Soldering Copper Hook and Support.

Polished seamless brass tank and pump; soldered concave bottom with improved filler plug; improved, cast brass burner; automatic air pump with check valve; iron drip cup and feed pipe; firmly secured handle with ebonized wood grip; height over all, 9¼ inches; diameter at base, 4¾ inches; shipping weight, each, 3½ pounds.

1 in a carton.

CLAYTON AND LAMBERT.

No. 31. List each 19.30

Quart Size.

Polished seamless brass tank and pump; soldered concave bottom with improved filler plug; quick generating, powerful burner of cast brass; iron drip cup and feed pipe; firmly secured handle with ebonized wood grip; height over all, 9⅝ inches; diameter at base, 5¾ inches; shipping weight, each, 4½ pounds.

1 in a carton.

CLAYTON AND LAMBERT.

No. 32. List each 20.70

Quart Size.

With Soldering Copper Hook and Support.

Polished seamless brass tank and pump; soldered concave bottom with improved filler plug; quick generating, powerful burner of cast brass; iron drip cup and feed pipe; firmly secured handle with ebonized wood grip; height over all 11½ inches; diameter at base, 5¾ inches; shipping weight, each, 4½ pounds.

1 in a carton.

GASOLINE OR KEROSENE TORCHES

CLAYTON AND LAMBERT.

No. 208. List each 22.00

Double Needle; Quart Size.

With Soldering Copper Hook and Support.

Polished seamless brass tank and pump; soldered concave bottom with improved filler plug; patented double needle burner made of generator metal; the lower is a shut off and the upper a cleaner needle made so that it is impossible to enlarge the orifice; iron drip cup and feed pipe; firmly secured handle with ebonized wood grip; height over all, 11½ inches; diameter at base 5¾ inches; shipping weight each, 5¼ pounds.

1 in a carton.

MELTING POTS

No. 149.

Diam., ins.	5	6	7	8
List dozen	14.00	18.00	21.50	30.80
App. wt. each, lbs.	3	4	6¾	9¼

Deep Pattern.

Cast Iron; with bail; for gasoline furnaces.

Open Stock.

MELTING LADLES

Diam., ins.	App. wt. doz., lbs.	List doz.
3	6	7.70
3½	7½	8.00
4	8¼	9.00
4½	9	9.50
5	12	10.00
6	18	13.50
7	33	26.00
8	48	30.00

Wrought Iron; single lip; flat iron handle with eye at end, securely welded to the bowl.

OILERS

Capacity of Oilers are Wine Measure.

16 Fluid Ounces make a Wine Pint. 20 Fluid Ounces make an Imperial Pint. A Wine Pint is 4/5 of an Imperial Pint.

CHASE'S PATTERN

No.	1	2	3	4
List, dozen	2.50	3.30	3.90	4.70
Diam., ins.	3	3¼	3¾	4
Height, ins.	2¼	2⅝	2¾	3
Spout, ins.	3	3½	3½	3½
Wt. doz., lbs.	1¾	2	2¼	3

Zinc.

Seamless spun polished zinc bodies; strong polished tin spring bottom, double seamed; tin spouts with 11/16-inch coarse thread filler screws.

1 dozen in a box.

SEWING MACHINE

No. 0. List per dozen 1.90

Plain Tin.

Size of body 2⅛ x 1⅛ inch; 2½ inch spout with 11/16 inch filler screw; seamless body; spring tin bottom, perfectly seamed; average weight per dozen, 3/4 pound.

1 dozen in a box.

MOWING MACHINE

No. 690. List per dozen 2.80

Plain Tin.

Size of body, 3¼ x 2⅞ inches; 3½ inch spout with 1½ inch coarse thread filler screw; seamless body, strong spring tin, seamed bottom; average weight per dozen, 2¼ pounds.

1 dozen in a box.

MOWING MACHINE.

No. 600A. List per dozen 6.70

Coppered Steel.

Diameter 3 inches; height of body, 3⅜ inches; 6 inch spout; heavy drawn steel body; 1¼ inch threaded collar; spring steel bottom; burnished copper finish; average weight per dozen, 4 pounds.

1 dozen in a box.

MOWING MACHINE.

No. 710S. **Plain Tin.** List per dozen 3.00

No. 720S. **Coppered Steel.** List per dozen 4.50

Straight Spout.

Capacity 1 pint; 3 inches diameter; height of body, 3⅝ inches; 4¼ inch spout; seamless body; strong spring bottom; 1½-inch coarse thread filler screw; average weight per dozen, 3 pounds.

1 dozen in a box.

MOWING MACHINE.

No. 710B. **Plain Tin.** List per dozen .. 3.00

No. 720B. **Coppered Steel.** List per dozen 4.50

Bent Spout.

Capacity 1 pint; 3 inches diameter; height of body 3⅜ inches; 4¼ inch spout; seamless body; strong spring bottom; 1½ inch coarse thread filler screw; average weight per dozen, 3 pounds.

1 dozen in a box.

Measurements and Capacities are Manufacturers Figures.

OILERS

Capacity of Oilers are Wine Measure.

16 Fluid Ounces make a Wine Pint. 20 Fluid Ounces make an Imperial Pint. A Wine Pint is 4/5 of an Imperial Pint.

STRAIGHT SPOUT

No.	13	13A	14	14AA
List dozen	4.00	4.30	5.00	5.40
Capacity, pts.	1/3	1/3	1/3	1/2
Diam., ins.	3⅜	3⅜	3⅜	3¾
Height, ins.	1½	1⅝	1½	2⅜
Spout, ins.	9	3	9	5
Wt. doz., lbs.	3½	3	3½	4

Coppered Steel.

Heavy, drawn steel body; perfectly seamed collar 1⅜ inch diameter, and spout base; spring steel bottom; burnished copper finish.

1 dozen in a box.

BENT SPOUT

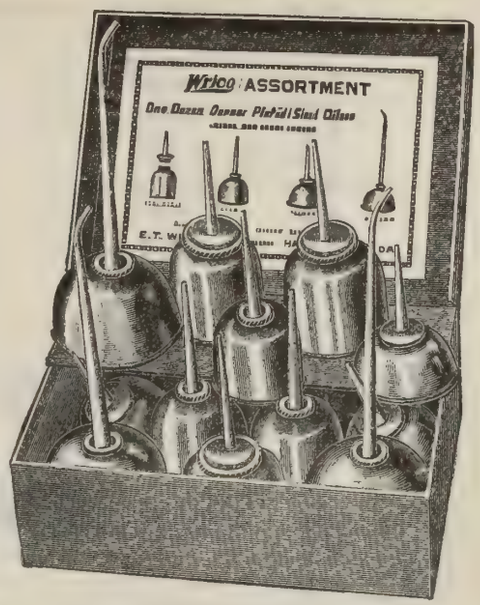
No. 14B. List per dozen 6.00

Coppered Steel.

Capacity 1/2 pint; diameter 3¾ inches; height of body, 1½ inches; 9 inch bent spout; heavy, drawn steel body; perfectly seamed collar 1⅜ inch diameter, and spout base; spring steel bottom; burnished copper finish; average weight per dozen, 3½ pounds.

1 dozen in a box.

OILER ASSORTMENTS



"WRICO" ASSORTMENT.

No. 100. List per assortment 5.70

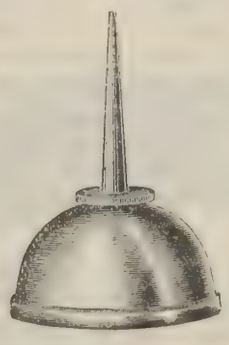
Consists of 1 dozen Oilers.

1/4 dozen of each of the following:—

No. 917; capacity 1/2 pint; 5½ inch spout.
No. 705; capacity 1 pint; 4¼ inch spout.
No. 918L; capacity 1 pint; 9½ inch spout.
No. 13; heavy; capacity 1/2 pint; 3-in. spout.

Coppered Steel.

Seamless one-piece bodies; perfectly seamed collar and spout base; spring steel bottom; coppered internally and externally; average weight, 3¼ pounds.



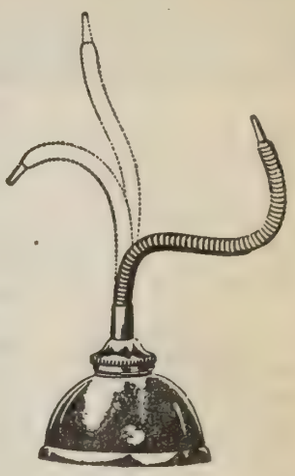
STRAIGHT SPOUT

No.	916	917	918L
List dozen	4.20	5.00	5.50
Capacity, pts.	1/4	1/2	1
Diam., ins.	3	3	4⅛
Height, body, ins.	1⅞	2½	2¾
Spout, inches	4	5½	9½
App. wt. doz., lbs.	2	2¼	3½

Coppered Steel; Seamless.

Drawn from heavy steel; burnished coppered finish; tempered spring steel bottom; with drip cup.

1 dozen in a box



ALL-WAY.

Nos.	1	2
List dozen	10.20	12.20
Capacity, pints	1/3	1/2
Diam., inches	3⅜	3¾
Height, inches	1½	2⅛
Spout, inches	6	6
Wt. doz., lbs.	3¼	4¾

Flexible Steel Spout.

Coppered steel, burnished; spring steel bottom, double seam; flexible spout may be bent as desired, fitted with 1 3/16-inch filler screw and equipped with wire cleaning rod.

1 dozen in a box.

ENGINEERS' DRIP

Quarts	1/2	1
List dozen	10.40	13.00
Diam., ins.	3¼	4
Height body, ins.	5⅜	6⅜
Spout, inches	7	14
Av. wt. doz., lbs.	4½	7½

Plain Tin.

Seamless re-tinned body; large wire handle, securely soldered; 1½-inch coarse thread filler screw; strong spring tin, seamed bottom.

Open Stock.

Measurements and Capacities are Manufacturers Figures.

BAR IRON

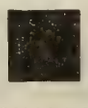
FLATS

Base Price per 100 pounds 7.70

Stock sizes are as follows:—

Size inches.	App. weight per foot, pounds.	List per 100 lbs.
3/16 x 3/4	.469	10.40
x 1	.625	9.70
x 1 1/4	.782	9.70
x 1 1/2	.938	9.70
1/4 x 3/4	.627	8.40
x 1	.833	8.00
x 1 1/4	1.039	8.00
x 1 1/2	1.254	8.00
x 1 3/4	1.460	8.00
x 2	1.666	8.00
5/16 x 1	1.039	8.00
x 1 1/4	1.303	8.00
x 1 1/2	1.558	8.00
3/8 x 3/4	.941	8.30
x 1	1.254	7.70
x 1 1/4	1.558	7.70
x 1 1/2	1.882	7.70
x 1 3/4	2.185	7.70
x 2	2.5	7.70
x 2 1/2	3.126	7.70
1/2 x 1	1.666	7.70
x 1 1/2	2.5	7.70
x 1 3/4	2.92	7.70
x 2	3.332	7.70

In catch lengths averaging 12 to 16 feet.



SQUARES

Base Price per 100 pounds 7.70

Stock Sizes are as follows:—

Size inches.	App. weight per foot, pounds.	List per 100 lbs.
1/2	.833	8.00
5/8	1.301	7.90

In catch lengths averaging 12 to 16 feet.

BAR IRON

ROUNDS

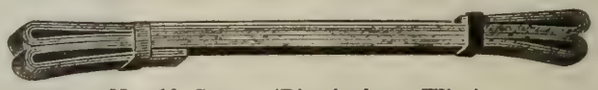
Base Price per 100 pounds 7.70

Stock sizes are as follows:—

Diameter inches.	App. weight per foot, pounds.	List per 100 lbs.
1/4	.164	8.80
5/16	.256	8.40
3/8	.368	8.20
7/16	.501	8.20
1/2	.655	8.00
9/16	.826	8.00
5/8	1.022	7.90
3/4	1.478	7.70
7/8	2.003	7.70
1	2.617	7.70

1/4 to 3/8 inch., in lengths of 12 feet, about 100 lbs. in a bundle. Larger sizes in catch lengths averaging 12 to 16 feet.

BAND STEEL



No. 10 Gauge (Birmingham Wire).
Stock sizes are as follows:—

Width, inches.	App. No. feet per 100 pounds.	List per 100 lbs.
1/2	464	12.80
5/8	380	11.40
3/4	292	10.40
7/8	262	9.80
1	234	9.70
1 1/8	208	9.70
1 1/4	188	9.70
1 1/2	156	9.70
1 3/4	134	9.70
2	116	9.70
2 1/4	104	9.70
2 1/2	94	9.70
3	78	9.70

Put up in catch weight scroll bundles of about 50 pounds each.

EXTRAS ON IRON AND STEEL BARS

Dominion Schedule, Adapted July 2nd, 1917
Reprinted May, 1922

Net Extras in dollars and cents to be added to base price.

Rounds

Size.	Per 100 lbs.
3/16 in.	1.50
7/32 in.	1.25
15/64 in.	.90
1/4 in.	.65
9/32 in.	.55
5/16 in.	.45
11/32 in.	.40
3/8 in.	.35
7/16 in.	.25
1/2 and 9/16 in.	.15
5/8 and 11/16 in.	$0.10
3/4 to 3 inches	Base
3 1/8 in.	.30
3 1/4 in.	.30
3 1/2 in.	.40
3 3/4 in.	.50
4 in.	.60
4 1/4 in.	.65
4 3/8 in.	.65
4 7/16 in.	.65
5 7/16 in.	.85

Half Rounds

Size.	Per 100 lbs.
3/8 and 7/16 in.	1.50
1/2 and 9/16 in.	1.15
5/8 and 11/16 in.	.70
3/4 and 7/8 in.	.50
1 to 2 inches	.35

Squares

3/16 in. in coils	1.50
1/4 in. in coils	.65
5/16 in.	.45
3/8 in.	.35
7/16 in.	.25
1/2 and 9/16 in.	.15
5/8 and 11/16 in.	$0.10
3/4 to 3 inches	Base
3 1/4 in.	.30

Ovals

1/2 in.	.90
9/16 in.	.90
5/8 in.	.65
3/4 in.	.45
7/8 to 1 1/4 inches	.30

Half Ovals

Size.	Per 100 lbs.
1/2 in.	1.25
5/8 in.	.80
3/4 to 15/16 in.	.65
1 to 4 inches	$0.40

Flats

1/2 in. x 1/4 to 5/16 in.	.80
1/2 in. x 3/8 to 7/16 in.	.70
9/16 to 5/8 in. x 1/4 to 5/16 in.	.50
9/16 to 5/8 in. x 3/8 to 1/2 in.	.35
11/16 to 15/16 in. x 1/4 to 5/16 in.	.35
11/16 to 15/16 in. x 3/8 to 3/4 in.	.30
1 to 6 in. x 1/4 to 5/16 in.	.15
1 to 6 in. x 3/8 to 1 inch	Base
1 1/8 to 6 in. x 1 1/16 to 1 3/16 in.	.10
1 1/8 to 6 in. x 1 1/4 to 1 1/2 in.	.15
1 3/4 to 6 in. x 1 5/8 to 2 in.	.20

Flats 3/16 in. and thinner see "Bands"

BANDS AND LIGHT FLATS

Birmingham Wire Gauge

Size	Nos.	Per 100 lbs.
1/2 in.	x 7, 8, 9 and 3/16 in.	1.15
	10 and 1/8 in.	2.00
5/8 in.	x 7, 8, 9 and 3/16 in.	.90
	10 and 1/8 in.	1.30
3/4 in.	x 7, 8, 9 and 3/16 in.	.70
	10 and 1/8 in.	.80
7/8 in.	x 7, 8, 9 and 3/16 in.	.45
	10 and 1/8 in.	.50
1 to 1 3/8 in.	x 7, 8, 9 and 3/16 in.	.35
	10 and 1/8 in.	.45
1 1/2 to 6 in.	x 7, 8, 9 and 3/16 in.	.30
	10 and 1/8 in.	.40

For intermediate sizes, the next higher extra to be charged in all cases.

GALVANIZED SHEETS

American Gauge

Thickness	28-Gauge	10 3/4 oz.
List per 100 lbs.	12.00	13.00
Square feet per sheet ..	20	20
Av. wt. per sq. ft.: lbs...	.781	.672
Av. wt. per sheet.: lbs..	15.62	13.44
Av. wt. per bundle: lbs..	156	148
No. of sheets in bundle.	10	11

30 x 96 inch Sheets.

Fine grade sheets, uniform in thickness, carefully and evenly galvanized; easy to work. The above weights are approximate only, allowance must be made to cover weights of bands used for bundling.

In bundles (as above).

SHEET ZINC

No. 9. List per pound ..... .25

In sheets 36 x 96 inches; .018 inch thick; average weight per sheet, 15½ pounds.

In casks of about 560 pounds.

BAR SOLDER

Tinkers. List per pound ..... .54

Made of selected tin and lead proportioned to flow freely; in bars convenient for small work about 7½ inches long and weighing approximately 3 ounces each.

About 50 pounds in a box.

Commercial. List per pound ..... .50

A free flowing solder for general work; a little lower in grade than the Crown Strictly; in bars about 13 inches long weighing approximately 1½ pounds each.

About 50 pounds in a box.

STRICTLY 1/2 AND 1/2.

Crown. List per pound ..... .54

Made of selected tin and lead, alloyed in the correct proportions to flow freely and at the same time to make a perfect seam or joint; in bars about 13 inches long and weighing approximately 1½ pounds each.

About 100 pounds in a box.

WIRE SOLDER

No. 8. List per pound ..... .60

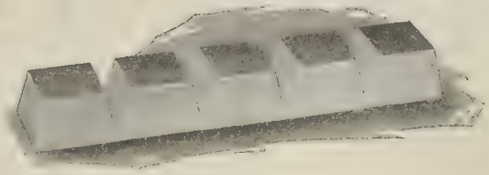
40-60.

Very carefully alloyed, of the purest tin and lead that can be secured; free flowing; high tensile strength; 5/32 inch diameter, about 12 feet to the pound.

On spools

Weighing about 30 pounds each.

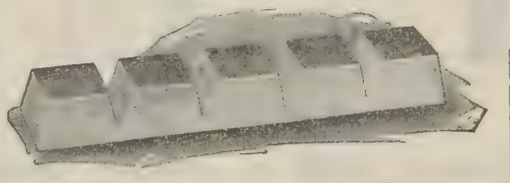
BABBITT METAL



"D". List per pound ..... .23

A softer babbitt than the "C" grade; for places where the duty is not heavy it will give excellent satisfaction; in 5 square bars about 10½ inches long and weighing approximately 9 pounds.

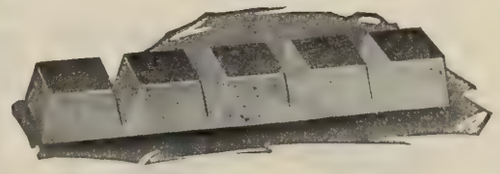
In boxes from 50 to 60 pounds.



"C". List per pound ..... .24

Free flowing clean metal; for machinery that does not require extra heavy service; in 5 square bars about 10½ inches long weighing approximately 9 pounds each.

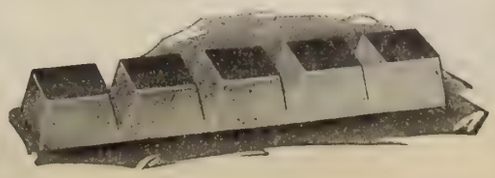
In boxes from 50 to 60 pounds.



"B". List per pound ..... .30

High grade alloy; will give excellent service for heavy work; in 5 square bars about 10½ inches long and weighing approximately 9 pounds.

In boxes from 50 to 60 pounds.



"A". List per pound ..... .33

A high grade anti-friction metal of carefully alloyed selected metals; free flowing; superior for general utility work; in 5 square bars about 10½ inches long and weighing approximately 9 pounds.

In boxes from 50 to 60 pounds.

BABBITT METAL

"SAMSON". List per pound ..... .44

A strictly high grade all round bearing alloy; without equal for high speed machines and very heavy loads; a tested metal that we can recommend; in bars about 6 inches long and weighing approximately 4 pounds.

In boxes from 50 to 60 pounds.

HARRIS

Heavy Pressure. List per pound ..... .60

A fine grade metal designed for general machinery purposes; can be used for all bearings; will run cool at any speed; cast in round ingots about 4 inches diameter and weighing about 4 pounds.

In boxes of about 100 pounds.

"SPOONERS COPPERINE."

No. 2. List per pound ..... .60

This metal is intended for agricultural work and light ordinary uses, such as line shafting, all kinds of light small work, cheap work, etc. Will give the best of results on this class of service.

Put up in red box.

No. 1. List per pound ..... .70

Will do hard medium service. Recommended for light circular saw mandrels, light planers, line shafting, light electric machines, light car bearings, heavy agricultural work, cylinders, etc.

Put up in green box.

Finest. List per pound ..... .80

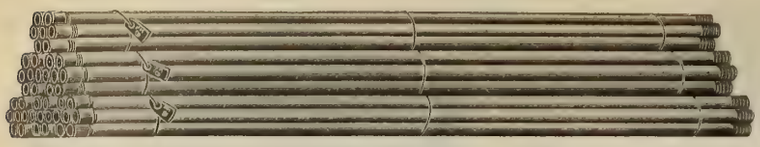
An excellent all-round white box metal. It will not stand hammering. Cannot be squeezed out of the boxes. No better metal for small boxes, high speed and great weight.

Put up in yellow box.

One of the best known white metals; in exact grades; cast in 9-piece bars 14½ inches long and weighing about 10 pounds each.

In boxes of about 50 pounds.

WROUGHT IRON PIPE

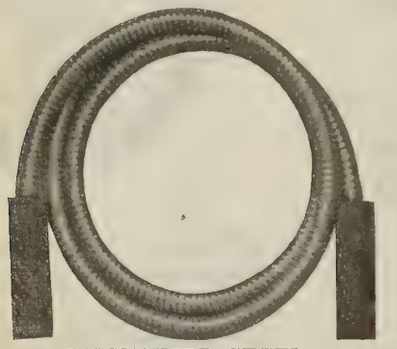


STANDARD WEIGHT; BUTT WELDED.

Size inside diameter, inches.	Av. wt. per foot, lbs. (threads and couplings)	Outside diameter, inches.	Threads per inch.	List per 100 feet. Black	Galvanized
1/4	.425	.540	18	7.68	
3/8	.568	.675	18	7.68	
1/2	.852	.840	14	9.70	12.92
3/4	1.134	1.050	14	11.60	15.42
1	1.684	1.315	11½	16.32	22.10
1 1/4	2.281	1.660	11½	22.08	29.90
1 1/2	2.731	1.900	11½	26.40	35.76
2	3.678	2.375	11½	35.52	48.10

Made from Mild (Bessemer) steel of dependable, uniform quality; carefully inspected and tested. Furnished in random lengths of about 18 to 20 feet, with threads and couplings.

METAL GAS TUBING



GALVANIZED STEEL.

Lengths, feet.	Av. wt. each, ounces.	List per length.
3	5	.40
4	6	.50
5	7	.60
6	8	.70

Standard galvanized steel tubing, rubber packed, for heaters, stoves, etc., 5/16 inch inside diameter, 3/8 inch outside diameter; with 2 inch red rubber ends securely cemented.

Open Stock.

RUBBER TUBING

"DUNLOP."

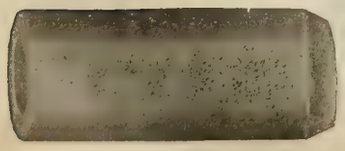
3/8 x 5/64. List per box 7.50

50 Feet Lengths.

White corrugated rubber tubing, specially compounded; remains pliable and resists ageing; for use not only as a gas tubing but also for shower sprays, etc. 3/8 inch inside diameter, 5/64 inch wall; average weight per 50 feet length, 7 1/4 pounds.

I length in a box.

GAS TUBING ENDS



2-inch. List per dozen ..... .50

Red rubber; 2 inches long, 11/16 inch diameter outside, 5/16 inch diameter inside; average weight per dozen, 1/2 pound.

Open stock.

IRON PIPE FITTINGS

CLASS B

Black. List per lb. ....

Galvanized. List lb. ...

CLASS C

Black. List per lb. ....

Galvanized. List lb. ...

ELBOWS

Malleable Iron; Right Hand.
(Sold from pound list)

Pipe size, inches.	Class	App. wt. per 100 pieces, lbs. Black.	Galv.	Estimated list each. Black.	Galv.	List per pound. Black	Galvanized
1/4	B	10	11	5		.42	
3/8	B	17	18½	7		.42	
1/2	B	22	24	10	15	.42	.59
3/4	C	38	40	11	17	.28	.42
1	C	57	60	16	26	.28	.42
1 1/4	C	98	102	28	43	.28	.42
1 1/2	C	129	134	37	56	.28	.42
2	C	200	208	56	88	.28	.42

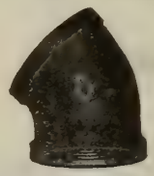
Open Stock.

REDUCING ELBOWS

Malleable Iron; Right Hand.
(Sold from pound list.)

Pipe size, inches.	Class	App. wt. per 100 pieces, lbs. Black.	Galv.	Estimated list each. Black.	Galv.	List per pound. Black	Galvanized
3/8x 1/4	B	14	15	6	9	.42	.59
1/2x 3/8	B	19	21	8	13	.42	.59
3/4x 1/2	B	34	36	15	22	.42	.59
1 x 3/4	C	55	58	16	25	.28	42.
1 1/4x1	C	96	100	27	42	.28	.42
1 1/2x1 1/4	C	122	127	35	54	.28	.42
2 x1 1/2	C	186	193	52	82	.28	.42

Open Stock.



45° ELBOWS.

Malleable Iron; Right Hand.
(Sold from pound list.)

Pipe size, inches.	Class	App. wt. per 100 pieces, lbs. Black.	Galv.	Estimated list each. Black.	Galv.	List per pound. Black	Galvanized
1/2	B	23	25	10	15	.42	.59
3/4	B	36	39	15	23	.42	
1	B	52	55	22	33	.42	
1 1/4	B	87	93	37	55	.42	
1 1/2	B	108	112	46	67	.42	
2	B	184	191	77	112	.42	

Open Stock.

STREET ELBOWS

Malleable Iron; Right Hand.
(Sold from pound list.)

Pipe size, inches.	Class	App. wt. per 100 pieces, lbs. Black.	Estimated list each. Black.	List per pound. Black
3/8	B	15	7	.42
1/2	B	27	1[illegible]	.42
3/4	B	39	17	.42
1	C	70	20	.28
1 1/4	C	92	26	.28
1 1/2	C	135	38	.28

Open Stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

PIPE STRAPS

For pipe, ins. .	3/8	1/2	3/4	1
List per 100 ..	.40	.50	.70	1.40
App. wt. 100, lbs.	2¼	2¼	3⅛	6
App. No. to lb.	50	45	30	17

Galvanized.

Corrugated one piece straps pressed from galvanized sheets; punched with screw holes; strong and serviceable.

Open stock.

CLASS B

Black. List per pound .....

Galvanized. List per pound .....

CLASS C

Black. List per pound .....

Galvanized. List per pound .....

COUPLINGS

Malleable Iron; Right Hand.

(Sold from pound list.)

Pipe size, inches.	Class	App. wt. per 100 pieces, lbs. Black.	App. wt. per 100 pieces, lbs. Galv.	Estimated list each. Black.	Estimated list each. Galv.	List per pound. Black	List per pound. Galvanized
1/4	B	9	10	4	6	.42	
3/8	B	15	16	7	9	.42	
1/2	B	22	24	9	15	.42	.59
3/4	B	33	36	14	22	.42	.59
1	C	58	61	17	26	.28	.42
1 1/4	C	82	85	23	36	.28	.42
1 1/2	C	101	105	29	44	.28	.42
2	C	160	166	45	70	.28	.42

Open Stock.

REDUCING COUPLINGS.

Malleable Iron; Right Hand.

(Sold from pound list.)

Pipe size, inches.	Class	App. wt. per 100 pieces, lbs. Black.	App. wt. per 100 pieces, lbs. Galv.	Estimated list each. Black.	Estimated list each. Galv.	List per pound. Black	List per pound. Galvanized
1/2x 3/8	B	18	20	8	12	.42	
3/4x 1/2	B	27	29	12	18	.42	
1 x 1/2	B	42	45	18	27		.59
1 x 3/4	B	48	51	21	31	.42	.59
1 1/4x1	C	68	72	20	31	.28	.42
1 1/2x1 1/4	C	97	101	27	43	.28	42
2 x1 1/2	C	131	136	37	58	.28	42

Open Stock.

TEES

Malleable Iron; Right Hand.

(Sold from pound list.)

Pipe size, inches.	Class	App. wt. per 100 pieces, lbs. Black.	App. wt. per 100 pieces, lbs. Galv.	Estimated list each. Black.	Estimated list each. Galv.	List per pound. Black	List per pound. Galvanized
1/4	B	15	16	7	10	.42	
3/8	B	25	27	11	16	.42	
1/2	B	30	33	13	20	.42	.59
3/4	C	51	54	15	23	.28	.42
1	C	85	90	24	38	.28	.42
1 1/4	C	142	147	40	62	.28	.42
1 1/2	C	190	198	54	84	.28	.42
2	C	283	292	80	123	.28	.42

Open Stock.

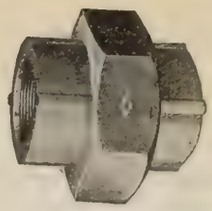
REDUCING TEES.

Malleable Iron; Right Hand.

(Sold from pound list.)

Pipe size, inches.	Class	App. wt. per 100 pieces, lbs. Black.	App. wt. per 100 pieces, lbs. Galv.	Estimated list each. Black.	Estimated list each. Galv.	List per pound. Black	List per pound. Galvanized
1 x 3/4	C	91	96	26	41		.42
2 x 1 1/2	C	250	260	70	110	.28	

Open Stock.



UNIONS

Malleable Iron; Right Hand.

Pipe Size, inches.	App. wt. per 100 pieces, lbs.	Standard list each. Black.	Standard list each. Galv.	List each. Black.	List each. Galvanized
1/4	21	.18	.27	.20	.30
3/8	28	.20	.30	.22	.34
1/2	47	.22	.33	.24	.36
3/4	68	.27	.40	.30	.44
1	95	.33	.50	.36	.56
1 1/4	118	.46	.70	.52	.78
1 1/2	154	.58	.90	.64	1.00
2	246	.75	1.15	.84	1.28

Open Stock.

MALLEABLE BUSHINGS.

Malleable Iron; Right Hand.

Pipe Size, inches.	App. wt. per 100 pieces, lbs.	Standard list each. Black.	Standard list each. Galv.	List each. Black.	List each. Galvanized
1/4— 1/8	3	.04	.08	.06	
3/8— 1/8	3½	.04	.08	.06	
3/8— 1/4	3½	.04	.08	.06	
1/2— 3/8	4½	.04	.08	.06	.12
3/4— 1/2	8	.05	.10	.07	.14
1 — 1/2	12	.06	.12		.16
1 — 3/4	14½	.06	.12	.08	.16
1 1/4—1	24	.07	.14	.10	.20
1 1/2—1	25	.09	.18		.24
1 1/2—1 1/4	26	.09	.18	.12	.24
2 —1 1/4	40	.14	.28		.36
2 —1 1/2	44	.14	.28	.18	.36

Open Stock.

CAST BUSHINGS.

Cast Iron; Right Hand.

Pipe size, inches.	App. wt. per 100 pieces, lbs. Black.	Standard list each. Black.	List each Black.
1 — 1/2	19	.06	.08
1 1/4— 3/4	31	.07	.10
1 1/2—1	50	.09	.12
2 —1 1/4	75	.14	.18

Open Stock.

LOCK NUTS.

Malleable Iron; Right Hand.

(Sold from pound list.)

Pipe size, inches.	Class	App. wt. per. 100 pieces, lbs. Black.	Estimated list each. Black.	List per pound. Black.
3/8	B	5	.03	.42
1/2	B	7	.03	.42
3/4	B	12	.06	.42
1	B	18	.08	.42
1 1/4	B	29	.13	.42
1 1/2	C	31	.09	.28

Open Stock.

IRON PIPE FITTINGS

CLASS B

Black. List per pound .....
Galvanized. List per pound .....

CLASS C

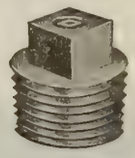
Black. List per pound .....
Galvanized. . List per pound .....

CAPS

Malleable Iron; Right Hand.
(Sold from pound list.)

Pipe size, inches.	Class	App. wt. per 100 pieces, lbs.	Estimated list each.	List per pound. Black.
1/4	B	5	.04	.42
3/8	B	7	.05	.42
1/2	B	15	.14	.42
3/4	B	20	.17	.42
1	B	40	.34	.42
1 1/4	C	56	.32	.28
1 1/2	C	69	.40	.28
2	C	107	.60	.28

Open Stock.

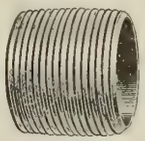


PLUGS.

Cast Iron; Right Hand.

Pipe size, inches.	App. wt. per 100 pieces. pounds.	Standard list each. Black.	List each. Black.
1/4	6	.02	.03
3/8	6½	.02	.03
1/2	9	.02	.03
3/4	12½	.03	.05
1	19	.04	.06
1 1/4	25	.05	.07
1 1/2	31	.07	.10
2	56	.10	.14

Open Stock.

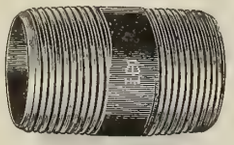


CLOSE NIPPLES.

Wrought Iron; Right Hand.

Pipe size, inches.	Length, inches.	Av. wt. per 100 pieces. pounds	Standard List. Black.	Standard List. Galv.	List each. Black.	List each. Galvanized
1/8	3/4	1 1/2	.04	.06	.04	
1/4	7/8	2 1/2	.04	.06	.04	.05
3/8	1	3 1/4	.04	.06	.04	.05
1/2	1 1/8	5 1/2	.05	.06	.04	.05
3/4	1 3/8	7 1/2	.06	.08	.05	.07
1	1 1/2	14	.08	.11	.07	.09
1 1/4	1 5/8	20	.11	.17	.09	.14
1 1/2	1 3/4	28	.13	.21	.11	.17
2	2	45	.18	.27	.15	

Open Stock.



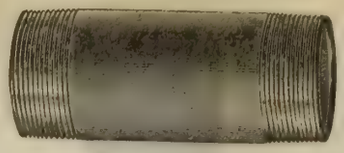
SHORT NIPPLES.

Wrought Iron; Right Hand.

Pipe size, inches.	Length, inches.	Av. wt. per 100 pieces. pounds	Standard List. Black.	Standard List. Galv.	List each. Black.	List each. Galvanized
1/8	1 1/2	2 1/2	.04	.06	.04	.05
1/4	1 1/2	5	.04	.06	.04	.05
3/8	1 1/2	6 1/4	.04	.06	.04	.05
1/2	1 1/2	7 1/2	.05	.06	.04	.05
3/4	2	10	.06	.08	.05	.07
1	2	20	.08	.11	.07	.09
1 1/4	2 1/2	35	.11	.17	.10	.14
1 1/2	2 1/2	45	.13	.21	.11	.17
2	2 1/2	60	.18	.27	.15	

Open Stock.

IRON PIPE FITTINGS



LONG NIPPLES.

Wrought Iron; Right Hand.

Pipe size, inches.	Length, inches.	Av. wt. per 100 pieces. pounds	Standard List. Black.	Standard List. Galv.	List each. Black.	List each. Galvanized
1/8	2	3 3/4	.06	.11	.05	.08
	2 1/2	5	.06	.11	.05	.08
	3	5 3/4	.06	.11	.05	.08
	3 1/2	6 1/4	.06	.11	.05	.08
1/4	2	5 3/4	.06	.11	.05	.08
	2 1/2	7	.06	.11	.05	.08
	3	8 3/4	.06	.11	.05	.08
	3 1/2	10	.06	.11	.05	.08
3/8	2	7 1/2	.06	.11	.05	.08
	2 1/2	8 3/4	.06	.11	.05	.08
	3	13 3/4	.06	.11	.05	.08
	3 1/2	14	.06	.11	.05	.08
1/2	2	11 1/4	.07	.11	.05	.08
	2 1/2	14	.07	.11	.05	.08
	3	17 1/2	.07	.11	.05	.08
	3 1/2	21	.07	.11	.05	.08
3/4	2 1/2	19	.09	.14	.07	.10
	3	24	.09	.14	.07	.10
	3 1/2	28	.09	.14	.07	.10
	4	32	.09	.14	.07	.10
1	2 1/2	27	.13	.19	.10	.14
	3	34	.13	.19	.10	.14
	3 1/2	42	.13	.19	.10	.14
	4	48	.13	.19	.10	.14
1 1/4	3	44	.17	.29	.12	.21
	3 1/2	46	.17	.29	.12	.21
	4	61	.17	.29	.12	.21
	4 1/2	71	.17	.29	.12	.21
1 1/2	3	53	.20	.35	.14	.23
	3 1/2	62	.20	.35	.14	.23
	4	83	.20	.35	.14	.23
	4 1/2	85	.20	.35	.14	.23
2	3	66	.27	.47	.19	
	3 1/2	88	.27	.47	.19	
	4	101	.27	.47	.19	
	4 1/2	108	.27	.47	.19	

Open Stock.

EXTRA LONG NIPPLES.

Wrought Iron; Right Hand.

Pipe size, inches.	Length, inches.	Av. wt. per 100 pieces. pounds	Standard List. Black.	Standard List. Galv.	List each. Black.	List each. Galvanized
1/8	4	7 1/2	.07	.12	.05	
	4 1/2	8 3/4	.08	.15	.06	
	5	10	.08	.15	.06	
1/4	4	11 1/4	.07	.12	.05	
	4 1/2	12 1/2	.08	.15	.06	
	5	14	.08	.15	.06	
3/8	4	18 3/4	.07	.12	.05	
	4 1/2	19 3/4	.10	.15	.07	
	6	25	.10	.15	.07	
1/2	4	25	.08	.15	.06	.10
	4 1/2	30	.10	.16	.07	.12
	5	35	.10	.16	.07	.12
	5 1/2	37 1/2	.12	.18	.09	
	6	40	.12	.18	.09	.13
3/4	5	42 1/2	.11	.18	.08	.13
	6	51 1/4	.13	.21	.10	.15
1	4 1/2	51 1/4	.15	.24	.11	
	5	62 1/2	.15	.24		.17
	6	77 1/2	.18	.28	.13	.20
1 1/4	5	80	.20	.32	.14	.23
	6	93 3/4	.24	.38	.17	.27
1 1/2	5	91 1/4	.25	.39	.18	.28
	5 1/2	102 1/2	.29	.46	.22	
	6	112 1/2	.29	.46	.22	
2	6	149	.38	.61	.28	

Open Stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

BOILER REPAIR PLUGS

Nos.	1	2	3
List per dozen ...	3.20	3.60	4.00
Size inches	5/16x1	3/8x1 1/8	7/16x1¼
App. wt. doz. lbs..	1/4	1/2	3/4

Malleable Iron; Tapered Thread; Hexagon Head; with fibre washers.

Open stock.

CHECK VALVES

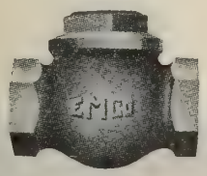
No. A850—STANDARD

Pipe size, inches.	Av. wt. each, pounds.	List each
1/4	3/8	1.00
3/8	1/2	1.10
1/2	3/4	1.40
3/4	1 1/8	1.90
1	1 7/8	2.40
1 1/4	2 3/8	3.40

Brass.

For working steam pressure up to 100 pounds; rough body; screwed ends; polished mountings and ends; brass disc.

Open Stock.



No. 853—JENKINS PATTERN

Pipe size, inches.	Av. wt. each, pounds.	List each
1/2	1	1.80
3/4	1 5/8	2.60
1	2 3/8	3.50
1 1/4	3	4.90

Brass.

High grade steam metal; screwed ends; rough body; polished mountings and ends; fitted with Jenkins' Pattern renewable disc; for working steam pressure up to 150 pounds.

Open Stock.

Fig. 117—"JENKINS"

Pipe size, inches.	Av. wt. each, pounds.	List each
3/8	3/4	1.90
1/2	1	2.00
3/4	1 1/2	3.00
1	2 1/4	4.10
1 1/4	3 1/2	5.80
1 1/2	5	8.00

Brass.

Made of special high grade steam metal; guaranteed for a working steam pressure of 150 pounds; screwed ends; rough body; polished mountings and ends; fitted with accurately guided brass disc holder and a renewable "Jenkins" disc.

Open Stock.

GLOBE VALVES

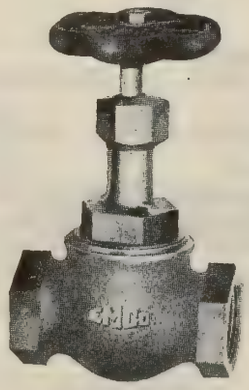
No. 830—STANDARD

Pipe size, inches.	Av. wt. each, pounds.	List each
1/4	5/8	1.10
3/8	3/4	1.20
1/2	1 1/4	1.50
3/4	2	1.90
1	2 1/2	2.70
1 1/4	3 1/2	3.80
1 1/2	4 1/2	5.30
2	7 1/2	8.00

Brass.

For working steam pressure up to 100 pounds; rough body; screwed ends; polished mountings and ends; black japanned wheel handle; brass disc.

Open Stock.



No. 840—JENKINS PATTERN

Pipe size, inches.	Av. wt. each, pounds.	List each
1/4	3/4	1.50
3/8	1	1.70
1/2	1 1/2	2.20
3/4	2 1/2	3.00
1	3 3/8	3.80
1 1/4	5 1/8	5.40
1 1/2	6 3/4	7.40
2	11	11.70

Brass.

High grade steam metal; screwed ends; rough body; polished mountings and ends; black japanned wheel handle; fitted with Jenkins' Pattern renewable disc; for working steam pressure up to 150 pounds.

Open Stock.

GLOBE VALVES

Fig. 106—"JENKINS."

Pipe size, inches.	Av. wt. each, pounds.	List each
1/4	3/4	1.76
3/8	1	2.00
1/2	1 1/2	2.50
3/4	2 1/4	3.50
1	3 3/8	4.50
1 1/4	4 7/8	6.40
1 1/2	6 3/4	8.80
2	10 3/4	14.00

Brass.

Made of special high grade steam metal; guaranteed for a working steam pressure of 150 pounds; screwed ends; rough body; polished mountings and ends; black japanned wheel handle; fitted with Jenkins' Disc, removing nut, nut lock; metal gland in stuffing box; can be repacked under full pressure.

Open Stock.

GATE VALVES

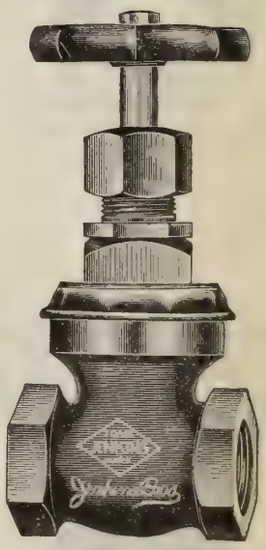


Fig 300—"JENKINS."

Pipe size, inches.	Av. wt. each, pounds.	List each
1/2	1 3/16	2.50
3/4	1 3/4	3.10
1	2 1/2	4.20
1 1/4	4	5.60
1 1/2	5 1/2	7.50
2	9	10.90

Type "K"

Brass, Standard Pattern.

Made of the highest quality metal and all parts are most carefully machined to gauge; tested to 300 pounds water pressure; screwed ends; rough body, polished mountings and ends; black japanned wheel handle; simple closing mechanism; will not jam; gives full opening of the pipe.

Open Stock.

ANGLE VALVES

Fig. 108—"JENKINS"

Pipe size, inches.	Av. wt. each, pounds.	List each
1/2	1 1/2	2.50
3/4	2 1/2	3.50
1	3	4.50

Brass, Standard Pattern.

Made of special high grade steam metal; guaranteed for a working steam pressure of 150 pounds; screwed ends; rough body; polished mountings and ends; black japanned wheel handle; fitted with Jenkins Disc, removing nut, nut lock; metal glands in stuffing box; can be repacked under full pressure.

Open stock.

VALVE DISCS

Fig. 101. JENKINS.

Valve size, inches	App. wt. per 100 in lbs.	List per 100
1/2	3/4	11.10
3/4	1 3/8	13.80
1	1 1/2	16.70
1 1/4	2 1/2	25.00
1 1/2	4 1/4	33.00

Round Hole

Hard composition; becomes tough and flexible in service when under steam pressure; for use on Jenkins Pattern standard globe, angle and check valves; guaranteed in working steam pressures up to 150 pounds.

100 in a box.

Fig. 223. JENKINS.

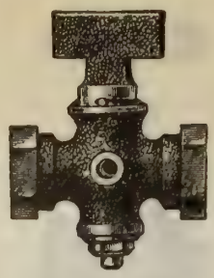
Valve size, inches	App. wt. per 100 in lbs.	List per 100
3/4	1 1/4	13.80
1	2	16.70
1 1/4	3 1/4	25.00
1 1/2	4	33.00

Oval Hole.

Hard composition; becomes tough and flexible in service when under steam pressure; for use on Jenkins Pattern standard globe, angle and check valves; guaranteed in working steam pressures up to 150 pounds.

100 in a box.

STOP AND WASTE COCKS



ROUGH BRASS.

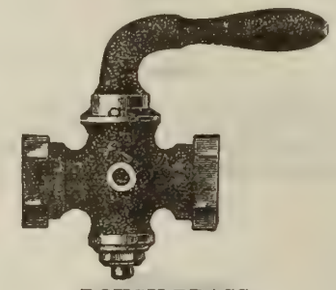
No. 1068—Drilled T Handle.

Size, inch	1/2	5/8
List per dozen	18.00	28.40
Pipe size, inch	1/2	3/4
Length, inches	2¼	3
App. wt. doz., lbs.	9	16

Flat Way; for Iron Pipe.

Rough body; polished nut and washer bottom; screwed for iron pipe; used where there is a possibility of freezing; the water left in the pipe beyond the cock runs out of the waste hole when the cock is closed.

Open Stock.



ROUGH BRASS

No. 1035—Lever Handle.

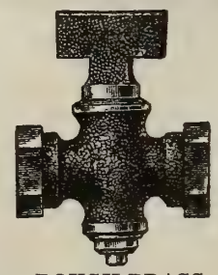
Size, inch	1/2	5/8
List per dozen	18.00	28.40
Pipe size, inch	1/2	3/4
Length, inches	2¼	3
App. wt. doz., lbs.	8½	16

Flat Way; for Iron Pipe.

Rough body; polished nut and washer bottom; used where there is a possibility of freezing; the water left in the pipe beyond the cock runs out of the waste hole when the cock is closed.

Open Stock.

STOP COCKS



ROUGH BRASS.

No. 1067—T Handle.

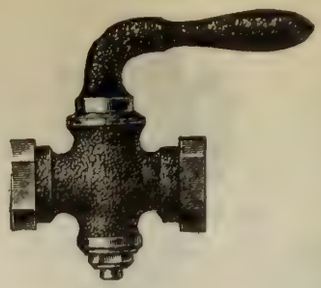
Size, inch	1/2	5/8
List per dozen	16.00	27.60
Pipe size, inch	1/2	3/4
Length, inches	2¾	3
App. wt. doz., lbs.	11	15

Flat Way; for Iron Pipe.

Rough body; polished nut and washer bottom; screwed for iron pipe.

Open Stock.

STOP COCKS



ROUGH BRASS.

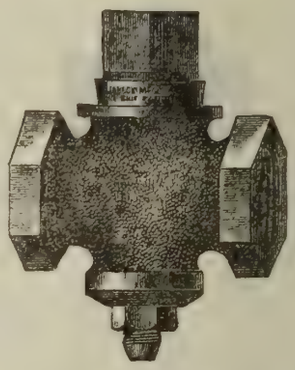
No. 1034—Lever Handle.

Size, inch	1/2	5/8
List per dozen	16.00	27.60
Pipe size, inch	1/2	3/4
Length, inches	2¼	3
App. wt. doz., lbs.	8½	16

Flat Way; for Iron Pipe.

Rough body; polished nut and washer bottom; screwed for iron pipe.

Open Stock.



ALL IRON.

Pipe size, inches.	Av. wt. each, pounds.	List each
1/2	1 1/4	1.10
3/4	1 3/4	1.30
1	2 3/4	1.40
1 1/4	4 1/4	2.00
1 1/2	6 1/2	2.40
2	9	3.30

Flat Way; Square Head.

Rough body; screwed for iron pipe; for working pressures up to 125 pounds.

Open Stock.

POLISHED BRASS.

No. 3451—T Handle.

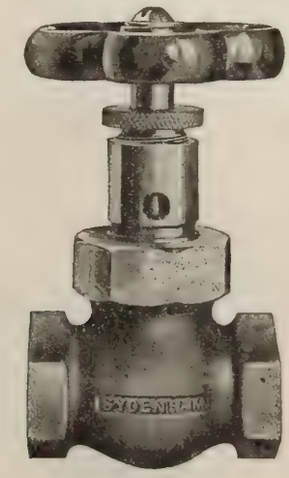
1/2 inch. List per dozen 20.40

Compression; for Iron Pipe.

Full polished brass; detachable T handle; screwed for iron pipe; length 3⅜ inches; average weight per dozen, 10½ pounds.

Open Stock.

STOP AND WASTE COCKS



"ROUGH BRASS."

No. 3483. List per dozen 24.00

Compression Type; 1/2 Inch.

Made on gate valve principle; a big improvement over the "Plug Style"; rough brass body; polished flanges; screwed for 1/2 inch iron pipe; improved stuffing box; japanned iron (detachable) wheel; average weight per dozen, 13 pounds.

Open stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

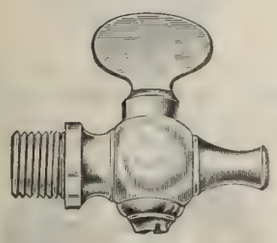
HYDRANT KEYS

"Standard." List per dozen 1.00

Japanned cast iron; 3½ inch handle; ⅜ inch square hole; average weight per dozen, 3¼ pounds.

3 dozen in a box.

AIR COCKS

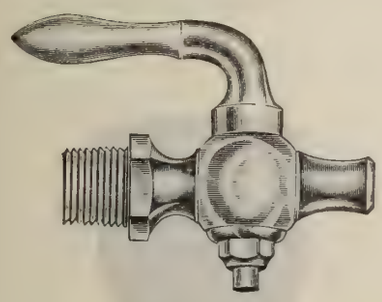


No.	221	222
List per dozen	5.00	5.60
Pipe size, ins.	1/8	1/4
Length, ins.	1¾	1¾
App. wt. doz., lbs.	2	2¼

"T" Handle; Straight Nose.

Polished brass; round shoulder; nut and washer bottom.

1 dozen in a box.



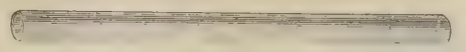
No.	321	322
List per dozen	6.80	7.40
Pipe size, ins.	1/8	1/4
Length, ins.	1¾	1¾
App. wt. doz., lbs.	2	2¼

Lever Handle; Straight Nose.

Polished brass; hexagon shoulder; nut and washer bottom.

1 dozen in a box.

GAUGE GLASSES



MONCRIEFF.

5/8 Inch Diameter.

Length, inches.	Av. wt. doz., pounds.	List per dozen.
10	1 1/2	2.00
12	2	2.40
13	2 1/4	2.60
14	2 1/2	2.80
15	2 3/4	3.00
16	3	3.20

Outside diameter 9/16 inch, for 5/8 inch gauge mountings; 1/8 inch wall.

3/4 Inch Diameter.

Length, inches.	App. wt. doz., pounds	List per dozen.
10	2 5/8	2.50
12	2 7/8	3.00
14	3 1/4	3.50
16	3 7/8	4.00
18	4 3/8	4.50

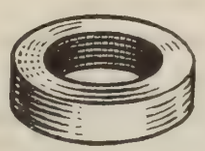
Outside diameter 23/32 inch, for 3/4 inch gauge mountings; 3/16 inch wall.

Genuine Scotch glasses; well known for their quality; with fused ends.

1 dozen in a package.

GAUGE GLASS WASHERS

or Gaskets

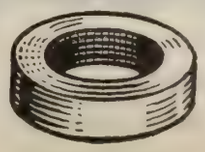


5/8 inch. List per dozen ..... .20

Square Wall.

Made of good quality grey rubber; 1/4 inch thick; 3/16 inch wall; 15/16 inch outside diameter; approximate weight per dozen, 1 1/2 oz.

Open Stock.



3/4 inch. List per dozen ..... .24

Square Wall.

Made of good quality grey rubber; 1/4 inch thick; 3/16 inch wall; 1 1/16 inch outside diameter; approximate weight per dozen, 1½ ozs.

Open Stock.

GAUGE GLASS CUTTERS

or Tube Cutters

No. 035. List per dozen 6.50

Nickel Plated.

3/16 inch round steel rod with flat loop handle; steel sliding gauge 5/8 inch diameter with knurled head set screw; carbon steel cutting wheel; cuts tubes up to 5 inches long; length over all 7½ inches; average weight per dozen, 1¼ pounds.

1/2 dozen in a box.

No. 036. List per dozen 10.80

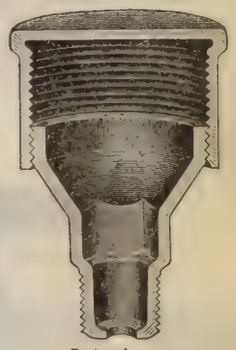
Nickel Plated.

3/16 inch steel spring arm rod with flat tip at one end which presses against the glass from the outside while the carbon steel cutting wheel completes the circuit around the inside of the tube; steel sliding gauge 5/8 inch diameter with knurled head set screw; cuts tubes up to 8 3/4 inches long; length over all 10 inches; average weight per dozen, 2½ pounds.

1 dozen in a box.

GREASE CUPS

Exterior



Interior

No. 000. List per 100 ..... 10.00
1/4 oz. capacity; 1/8 inch pipe thread; cap 3/4 inch inside diameter; app. wt. each, 7/8 oz.

No. 00. List per 100 ..... 12.50
1/2 oz. capacity; 1/8 inch pipe thread; cap 1 inch inside diameter; app. wt. each, 1 1/2 oz.

No. 0. List per 100 ..... 17.00
2/3 oz. capacity; 1/4 inch pipe thread; cap 1 1/4 inch inside diameter; app. wt. each, 2 1/2 oz.

No. 1. List per 100 ..... 20.00
1 oz. capacity; 1/4 inch pipe thread; cap 1 1/2 inch inside diameter; app. wt. each, 3 1/4 oz.

No. 2. List per 100 ..... 31.50
2 oz. capacity; 3/8 inch pipe thread; cap 2 inch inside diameter; app. wt. each, 5 1/4 oz.

No. 3. List per 100 ..... 46.00
3 1/2 oz. capacity; 3/8 inch pipe thread; cap 2 1/2 inch inside diameter; app. wt. each, 8 1/2 oz.

Plain Compression

Pressed from sheet metal; plain finish; uniform in thickness of metal; strong and serviceable; outside thread.

Open stock.

COMPRESSION BIBBS

PLAIN.

No. 2001; Polished Brass.

1/2 inch. List per dozen 20.40

5/8 inch. List per dozen 26.40

5/8 inch takes 3/4 inch pipe.

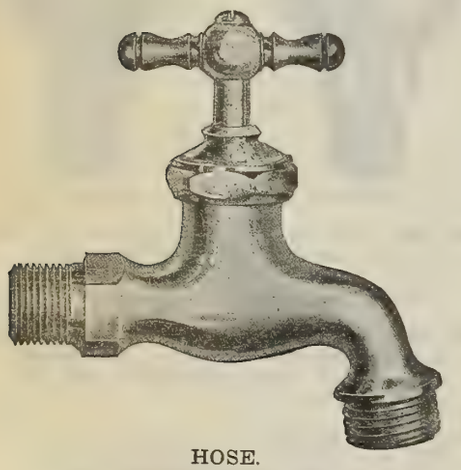
No. 4001; Nickel Plated.

1/2 inch. List per dozen 25.20

Red Brass.

Shank threaded for iron pipe; plain end; "T" handle; incased washer; full half inch flow; hexagon shoulder.

1/2 dozen in a box.



HOSE.

No. 2003; Polished Brass.

1/2 inch. List per dozen 22.80

5/8 inch. List per dozen 30.00

5/8 inch takes 3/4 inch pipe.

No. 4003; Nickel Plated.

1/2 inch. List per dozen 30.00

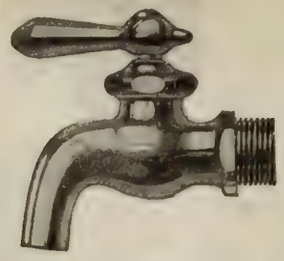
Red Brass.

Shank threaded for iron pipe; hose end, threaded to take 1/2 and 3/4 inch hose couplings; "T" handle; incased washer, full half inch flow; hexagon shoulder.

1/2 dozen in a box.

QUICK OPENING BIBBS

These Bibbs deliver water immediately their handle is turned and come to full flow at one-quarter turn; equipped with renewable phospher bronze seat, and incased washer; all parts are interchangeable.



No. 7001; PLAIN.

1/2 inch. List per dozen 26.40

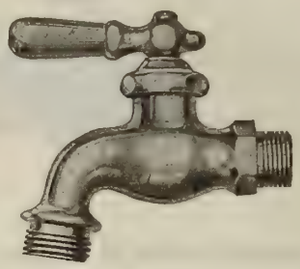
5/8 inch. List per dozen 33.10

5/8 inch takes 3/4 inch pipe.

Polished Red Brass.

Shank threaded for iron pipe; plain end; lever handle adjustable to any position; hexagon shoulder; approximate weight per dozen, 12 and 13 pounds.

1/2 dozen in a box.



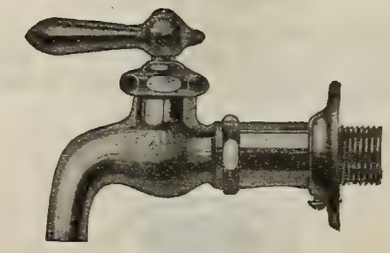
No. 7003; HOSE.

1/2 inch. List per dozen 30.00

Polished Red Brass.

Shank threaded for iron pipe; hose end threaded to take 1/2 and 3/4 inch hose couplings; lever handle adjustable to any position; hexagon shoulder; approximate weight per dozen, 13 pounds.

1/2 dozen in a box.



No. 8001; PLAIN.

1/2 inch. List per dozen 40.00

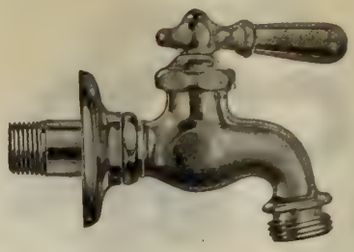
Nickel Plated.

Detachable Shank; Set Screw Flange.

Best red brass castings; extension shank threaded for iron pipe; flange 2 3/8 inches diameter; plain end; lever handle adjustable to any position; average weight per dozen, 15 pounds.

1/2 dozen in a box.

QUICK OPENING BIBBS



No.8003; HOSE.

1/2 inch. List per dozen 43.20

Nickel Plated.

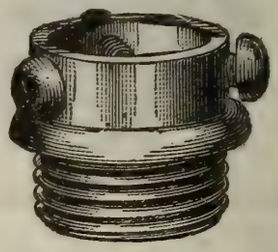
Detachable Shank; Set Screw Flange.

Best red brass castings; extension shank threaded for iron pipe; flange 2 3/8 inches diameter; hose end for 1/2 and 3/4 inch hose couplings; lever handle, adjustable to any position; average weight per dozen, 16 1/2 pounds.

1/2 dozen in a box.

HOSE ENDS

or Faucet Adapters



No. 1. List per dozen 6.50

Polished Brass.

Used on a plain Bibb in order to attach garden hose, water filters and washing machines; for standard 1/2 inch Bibbs; equipped with 3 brass set screws and long rubber washer; average weight per dozen, 1 7/8 pounds.

1 dozen in a box.

"Penberthy." List each ..... .80

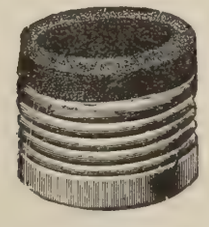
Polished Brass.

A simple device for converting smooth or plain faucets into threaded ones, fits 1/2, 3/8 or 3/4 inch round nose faucets; makes a strong, rigid and non-leakable connection; no tools required in attaching; for use with standard hose connections; average weight per dozen, 2 1/4 pounds.

12 in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

ANTI-SPLASHERS
or
WATER STRAINERS



Pors-E-Leno. List per dozen 2.20

For Plain and Hose Bibbs.

White enameled stamped brass shell; stamped thread for 1/2 and 3/4 hose bibbs; rubber gasket for use on plain bibbs; nickel plated fine wire gauge; average weight per dozen, 1 pound.

1 dozen on a display card in a box.

BIBB WASHERS

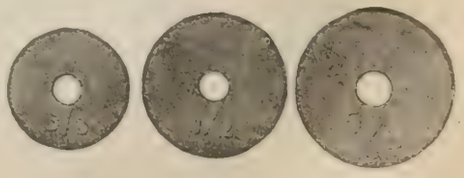
5/8 1/2 3/8

"COLD WATER."

Size, inches	3/8	1/2	5/8
List per 100	1.50	2.00	2.50
App. wt. 100, lbs.	3/8	1/2	5/8

Beveled; good grade rubber; 3/16 inch hole.

100 in a box.



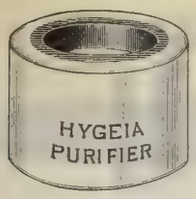
"HOT OR COLD WATER."

Size, inches	3/8	1/2	5/8
List per 100	.70	.80	.90
App. wt. 100, lbs.	1/8	1/4	1/4

Hard Red Fibre; 3/16 inch hole.

100 in a box.

ANTI-SPLASHERS
or Water Strainers

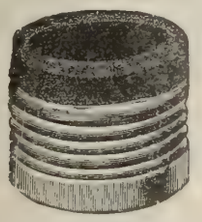


"Porcelain." List per dozen 1.10

For Plain Bibbs.

Porcelain shell; rubber gasket; with discs of nickel plated fine wire gauze; average weight per dozen, 5/8 pound.

3 dozen in a box.

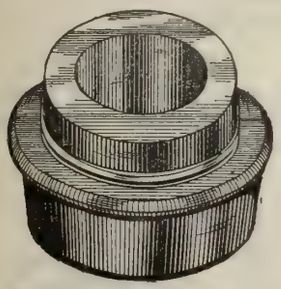


"Eureka." List per dozen 1.50

For Plain and Hose Bibbs.

Nickel plated stamped brass shell; stamped threads for 1/2 and 3/4 inch hose bibbs; rubber gasket for use on plain bibbs; nickel plated fine wire gauze; average weight per dozen, 5/8 pound; 1 dozen on easel back display card.

1 dozen in a box.



"3-in-1." List per dozen 2.50

For Plain and Hose Bibbs.

Nickel plated, stamped brass shell with pressed threads for 1/2 and 3/4 inch hose bibbs; rubber gasket for use on plain bibbs; wide rubber jacket; nickel plated fine wire gauze; average weight per dozen, 7/8 pound.

1 dozen in a box.

BIBB WASHERS

Cold Water.

Size, inch	3/8	1/2	5/8
List per 100	.70	1.10	1.60

Hot Water.

Size, inch	3/8	1/2	
List per 100	.90	1.30	
For bibbs, ins.	3/8	1/2	5/8 or 3/4
Diam., ins.	5/8	3/4	13/16
App. wt. 100, lbs....	3/8	5/8	3/4

Compression.

Good grade pliable rubber; 1/8 inch hole.

100 in a box.

FULLER BALLS

Cold Water.

Size, inch	1/2	5/8	3/4
List per gross	2.00	2.20	3.60

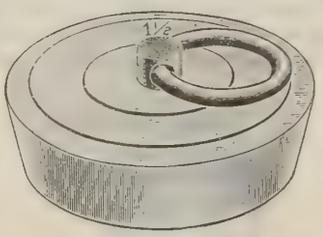
Hot Water.

Size, inch	1/2	5/8	
List per gross	2.20	2.50	
For bibbs, inch	1/2	5/8	3/4
App. wt. gross, lbs. ..	1 3/4	2 1/4	3 3/4

Fine rubber.

1/2 hundred in a box.

BASIN PLUGS
or Stoppers.

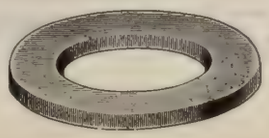


Size, inches.	Diam., ins. Top	Diam., ins. Base	App. wt. doz., lbs.	List dozen.
1	1 1/8	1	3/8	1.00
1 1/8	1 1/4	1 1/8	7/16	1.10
1 1/4	1 3/8	1 1/4	1/2	1.20
1 3/8	1 1/2	1 3/8	5/8	1.30
1 1/2	1 5/8	1 1/2	11/16	1.60
1 3/4	1 7/8	1 3/4	3/4	1.70

White rubber; 7/16 inch thick; nickel plated metal post and ring.

1 dozen in a box.

UNION WASHERS

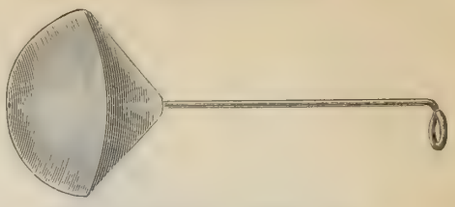


Size (union) ins.	1/2	3/4
List per gross	1.30	1.50
Diam. outside, ins.	1 1/8	1 1/2
Diam. inside, ins.	3/4	1 1/16
App. wt. gross, ozs.	7	8

Black rubber; 3/32 inch thick; 3/16 inch wall; for packing unions.

Open stock.

TANK FLOATS



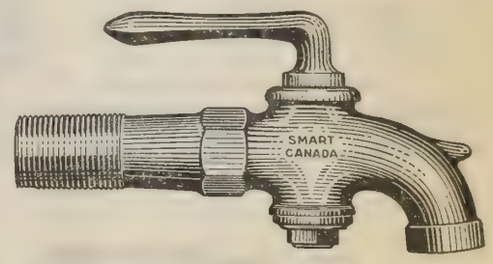
2 1/2 inch. List per dozen 8.40

For "Douglas" Flush Valve.

Pure white rubber; 2 1/2 inches diameter; threaded brass stem plug; complete with brass stem 4 3/8 inches long; average weight per dozen, 2 pounds.

1 dozen in a box.

PETROLEUM FAUCETS



No. 1158—SCREW SHANK.

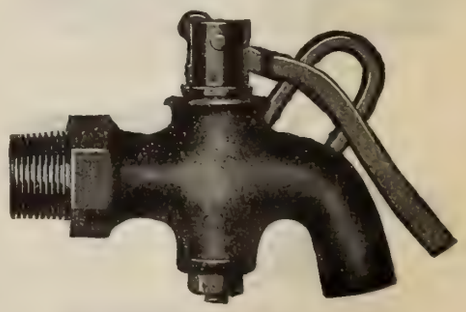
Diameter (inside) ins.	5/8	3/4	1
List per dozen	30.50	32.00	39.60
For pipe, inch	3/4	3/4	1
Length, inches	6	6 1/4	7
App. wt. doz., lbs.	12 1/4	14	25 1/2

Iron or Wood Thread.

Japanned; cast iron body; flat-way solid brass key and lever handle; accurately ground; nut and washer.

1/2 dozen in a box.

LOCK OIL FAUCETS



No. 1094.

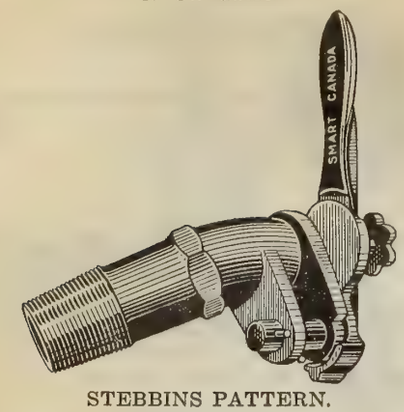
3/4 inch. List per dozen 28.80

For Iron Pipe.

Solid brass; rough body; polished mountings; hexagon shoulder; short threaded shank for 3/4 inch iron pipe; flat-way key; malleable iron pivoted handle fits over the staple and secured by padlock; nut and washer; average weight per dozen, 16 1/2 pounds.

10/12 dozen in a box.

MOLASSES GATES
or Oil Gates.

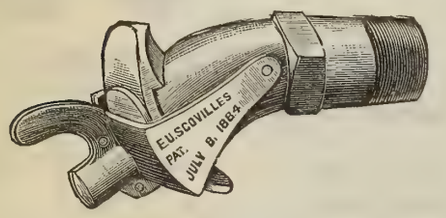


STEBBINS PATTERN.

No.	Diam., (inside) inches.	Diam., (outside) inches.	App. wt. dozen, pounds.	List per dozen.
1	13/16	1 1/8	12	9.20
2	7/8	1 1/4	14	10.80
3	1 1/4	1 7/16	20	12.00
4	1 3/8	1 11/16	24	13.20
5	1 1/2	1 7/8	32	15.80

Screw Shank; For Wood.

Japanned cast iron; polished face and cut-off; leather faced outlet; pressure of cut-off is adjusted by set screw.
1/2 dozen in a box.



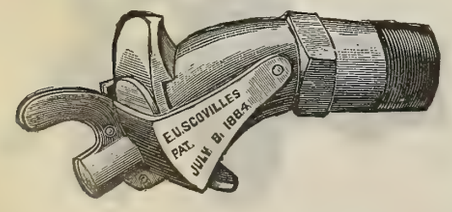
PERFECTION—Genuine Scoville.

Wood Thread.

Diam. (inside) inches.	Bore, inches.	App. wt. dozen, pounds.	List per dozen
3/4	1	19	17.20
1	1 1/4	20	19.40
1 1/4	1 5/8	23	22.40
1 1/2	1 13/16	30	26.80
2	2 5/16	40	36.40

Screw Taper Shank; For Wood.

Japanned cast iron; milled and polished face; brass cut-off plate held firmly against the mouth by tension spring.
2 inch, 1/6 dozen in a box.
Other sizes, 1/2 dozen in a box.



PERFECTION—Genuine Scoville.

Pipe Thread.

Pipe size, inches.	App. wt. doz., pounds.	List per dozen.
3/4	19	15.60
1	20	18.00
1 1/4	23	20.40
1 1/2	30	25.20
2	40	37.60

Screw Shank; for Iron Pipe.

Japanned cast iron; milled and polished face; brass cut-off plate held firmly against the mouth by tension spring.
2 inch, 1/6 dozen in a box.
Other sizes, 1/2 dozen in a box.

SELF-MEASURING PUMPS

For measuring molasses, heavy oils, tar and other thick liquids.

"ENTERPRISE."

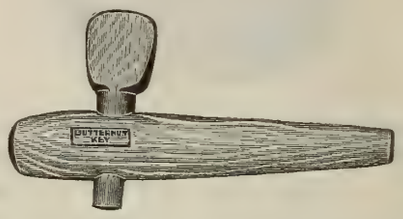
No. 97. Pump only. List each **36.00**

No. 97A. With auger. List each **40.00**

Imperial Standard Measure.
With New Total Registering Device.
No Priming is necessary.

Tinned; cast iron pump; steel tube 1 5/8 x 39 inches long; enclosed gears; lever shut-off gate; japanned foot casting with wire mesh strainer; patent thumb screw clamp for fastening to barrel; each revolution of the crank pumps a gill, four revolutions a pint, etc.; marked dial up to one gallon, divided into half pints; registering device also indicates total quantity taken from barrel; extreme length 54 inches; average weight, 30 pounds.
Packed singly, with pump boxed.

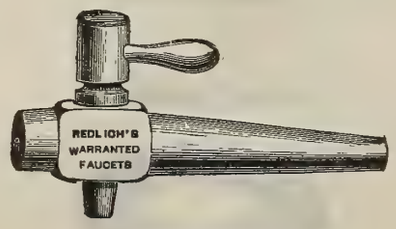
WOOD FAUCETS



No.	80	100
List per dozen	3.40	4.00
Length, inches	8	10
App. wt. dozen, lbs.	2 1/4	3 3/4

Butter-nut Key.

Plain maple; water proof seat; one of the best of wood key faucets.
Open stock.



REDLICH'S.

No.	1	3	4
List per dozen	4.30	5.50	6.30
Length, inches	8	9	9 3/4
Bore, inches	3/8	7/16	7/16
App. wt. doz., lbs.	3	4 1/2	5

Cork Lined.

Selected wood; fully saturated with India rubber; natural finish.
Open stock.

WOOD FAUCETS

No. 5. List per dozen **8.00**

Metal Key.

Soft red maple, 9 inches long; leather lined; special metal key (3/8 inch inside diameter) with iron shank and wood "T" handle; average weight per dozen, 4 1/2 pounds.
Open stock.

No.	7	9
List per dozen	10.80	13.20
Length, inches	7	9
App. wt. doz., lbs.	3	4 1/2

Loose Metal Key.

Stained hardwood; leather lined; block tinned key (3/8 inch inside diameter) malleable iron loose key.
Open stock.

BUNG-HOLE BORERS

"ENTERPRISE."

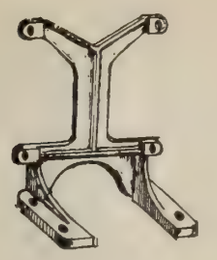
No.	1	2	3
List dozen	84.00	116.40	168.00
Bores, ins	5/8 to 1 1/2	1 1/8 to 2	1 1/2 to 3
Length, inches	10 3/4	12 1/2	15
App. wt. each, lbs.	1	2 1/4	4

Carefully tempered, double cutter bit of fine steel; graduated, polished steel reamer; red painted head; varnished hardwood handle; these borers hold their own chips and prevent them from entering the cask; round lip bit.

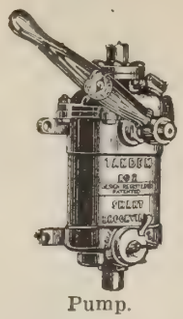
1/12 dozen in a package.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

TANDEM PUMPS



Bracket.



Pump.

Spout.

DOUBLE ACTING.

No. 2. List each 19.00
I inch suction pipe, 3/4 inch discharge pipe; 2 inch cylinders; 100 strokes per minute, delivers 7 gallons per minute; weight each with spout and bracket, 22 pounds.

No. 3. List each 25.00
1½ inch suction pipe, 1¼ inch discharge pipe; 3 inch cylinders; 90 strokes per minute, delivers 18 gallons per minute; weight each with spout and bracket, 43 pounds.

Blue Enamel and Gold; Complete with Bracket and Spout.

A new style pump made to replace the wing type; a suction and forcing pump which can be used for any kinds of liquids; heavy cast iron box with bolted top; will draw from a depth of 27 feet and will force to any height with assistance of an inner valve; all renewal parts are interchangeable; easily primed or drained; works easily and efficiently; operated by hardwood lever handle.

Open stock.

CISTERN PUMPS

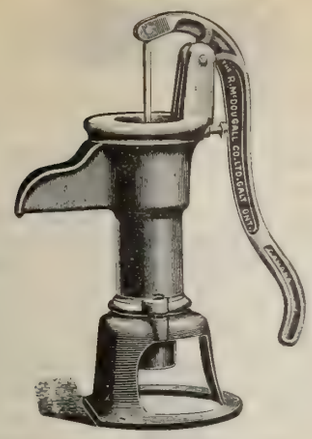


FIG 1; PITCHER SPOUT.

No.	2	3	4
List each	5.70	6.30	7.50
Inside diam. cylinder, ins.	3	3 1/2	4
For pipe, ins.	1 1/4	1 1/4	1 1/2
Stroke captcy., gals.	.101	.138	.178
Height, inches	21	21	21
App. wt. each, lbs.	27	30	35

Cast Iron.

Accurately bored and polished cylinder; revolving bearer top allows handle to be moved to any desired position; open bolted base; made anti-freezing by raising the handle as high as possible; painted green with gilt stripes.

Open stock.

FIG. 2; CLOSE SPOUT.

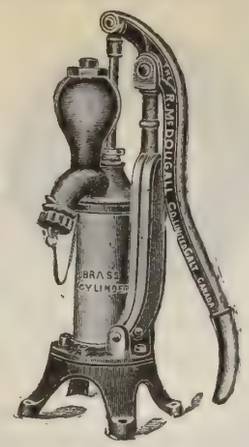
No.	2	3	4
List each	6.20	6.90	8.20
Inside diam. cylinder, ins.	3	3 1/2	4
For pipe, ins.	1 1/4	1 1/4	1 1/2
Stroke captcy., gals.	.101	.138	.178
Height, inches	21	21	21
App. wt. each, lbs.	26	28	31

Cast Iron.

Accurately bored and polished cylinder; revolving bearer top allows handle to be moved to any desired position; open bolted base; made anti-freezing by raising the handle as high as possible; painted green with gilt stripes.

Open stock.

HAND FORCE PUMPS



No. 349. List each 12.00

Nickeled Brass Cylinder.

3 inch cylinder; fitted for 1 and 1 1/4 inch iron pipe; heavy cast iron top, base, spout and handle; reservoir top and syphon spout; by screwing on the spout cap water may then be forced to higher level; outlet from top of air chamber is tapped for 1 inch iron pipe; revolving bearer top; black painted castings with gilt stripes; height over all 20 1/2 inches; average weight each, 20 pounds; capacity per stroke, .101 gallons.

Open stock.

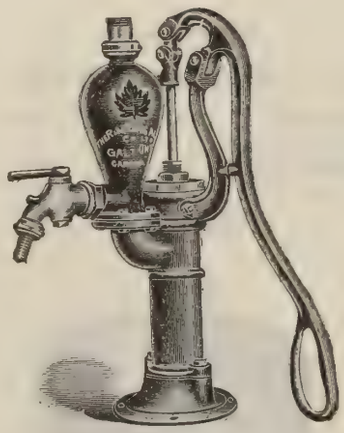


FIG. 45.

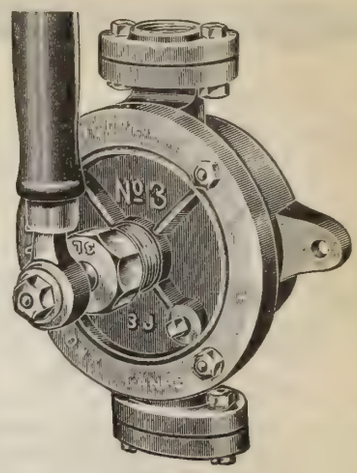
No.	2
List each	23.20
Inside diam. cylinder, ins.	3
For pipe, inches	1 1/4
Stroke capacity, gals.	.101
Height, inches	29
App. wt. each, lbs.	62

All Iron.

An efficient force pump fitted with cock spout; water may be drawn at the pump by opening the cock, or being closed may be forced to an upstairs tank; accurately bored and polished cylinder; put together substantially; outlet in top of air chamber is fitted with 1 1/4 inch pipe; made anti-freezing by raising the handle as high as possible; green painted.

Open stock.

WING PUMPS



Semi-Rotary; Double Acting.

No. 2. List each 18.50

9 gallons per minute, 90 strokes per minute; for 1 inch pipe; height including handle, 18 inches; 10 1/4 inches across flanges; 4 3/4 inch bore; average weight each, 17 pounds.

No. 3. List each 22.50

11 gallons per minute; 85 strokes per minute; for 1 1/4 inch pipe; height including handle, 21 3/4 inches; 13 inches across flanges; 5 5/8 inch bore; average weight each, 22 pounds.

Red Painted.

A suction and forcing pump which can be used for pumping all kinds of liquids; heavy cast iron box with oval flanges; drilled for iron pipe; brass oscillating wing and two valves; the box is closed with a bolted cap which may be taken off for repairs without dismounting the pump; will draw from a depth of 25 feet and force to a height of 90 feet, with the help of an inter-valve; operated by hardwood lever handle; simple and durable in construction, works quickly and easy.

Open stock.

PUMP HANDLES

Pump Handles. List each 1.40

For Figures 1 and 2 Pumps.

Cast iron; extra heavy; accurately drilled; length over all, 19 inches; average weight per dozen, 49 pounds.

Open stock.

DRIVE WELL POINTS

No. 86A. List each 3.30

1 1/4 inch pipe (inside); 14 inch jacket; 25 inches long over all; 15 openings per square inch; No. 60 gauge brass wire gauze; average weight each, 4 3/4 lbs.

No. 90A. List each 4.00

1 1/4 inch pipe (inside); 18 inch jacket; 29 inches long over all; 20 openings per square inch; No. 60 gauge brass wire gauze; average weight each, 5 3/4 lbs.

No. 90C. List each 5.70

1 1/4 inch pipe (inside); 18 inch jacket; 29 inches long over all; 20 openings per square inch; No. 80 gauge brass wire gauze; average weight each, 5 5/8 lbs.

No. 136A. List each 5.50

1 1/2 inch pipe (inside); 18 inch jacket; 29 1/2 inches long over all; 22 1/2 openings per square inch; No. 60 gauge brass wire gauze; average weight each, 6 3/4 pounds.

No. 136C. List each 7.00

1 1/2 inch pipe (inside); 18 inch jacket; 29 1/2 inches long over all; 22 1/2 openings per square inch; No. 80 gauge brass wire gauze; average weight each, 6 5/8 pounds.

Brass Jacket.

Galvanized wrought iron pipe with threaded end punched with elliptical-shape holes of uniform size, equal distances apart; covered with brass wire gauze and protected by pierced brass jacket; black japanned malleable driving plug swaged into the pipe and riveted; paper wrapped.

Open stock.

PUMP VALVES

Foot.

Fig. 1118.

Pipe size, inches.	App wt. each, pounds.	List each. Japanned	Galvanized
1	2 5/8	1.20	1.60
1 1/4	2 5/8	1.40	2.00
1 1/2	4	1.70	2.60
2	4 1/2	2.40	4.20

Cast Iron.

Combined foot valve and strainer; maintains the suction pipe full of water and keeps out particles of foreign matter that would tend to choke the pipe; also relieves the weight of water in the upper valves when the cylinder is not submerged.

Open stock.

PUMP LEATHERS

Fine Quality Oak Tanned Leather.

FLAT PLUNGER.

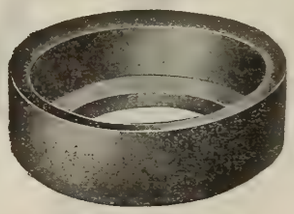
No.	1	2
List per dozen	3.60	5.40
Diam. (outside) ins.	3	3 1/2
Hole, inches	1	2
Av. wt. doz., ozs.	6	6

Open stock.

FLAT VALVE.

No.	1	2	3	4
List per dozen	2.40	3.20	4.20	5.40
Diam., ins. (outside)	3	3 1/2	4	4 1/2
For cylinder, ins.	2	3	3 1/2	4
Av. wt. doz., ozs.	6	8	9	11

Open stock.



CUP PLUNGER.

No.	2 1/2	2 1/2A	3
List per dozen	3.00	3.00	3.60
Diam., inches (outside)	2 1/2	2 1/2	3
Hole, inches	1 1/4	1 1/2	1 7/8
App. wt. doz., ozs.	7	8	9

No.	3 1/2	4
List per dozen	5.40	7.00
Diam., ins. (outside)	3 1/2	4
Hole, inches	2 1/4	2 5/8
App. wt. doz., ozs.	14	16

Open stock.

PUMP ROD COUPLINGS

Size, inches	3/8	7/16	1/2
List per dozen	1.20	1.30	1.40
For rods, ins.	3/8	7/16	1/2

Malleable iron; natural finish; beaded ends; hexagon centre; 2 1/3 inches long; average weight per dozen, 1 1/2 pounds.

Open stock.

FORCE CUPS

HANDY-ANDY.

Short Handle. List per dozen 10.50

Bell Shaped.

Heavy seamless rubber cup, 4 1/2 inches diameter, 2 3/4 inches high; secured to 3 inch stained hardwood handle by steel plate and screw; used for cleaning out plugged drain pipes; average weight per dozen, 7 pounds.

1/12 dozen in a box.

HANDY-ANDY.

Long Handle. List per dozen 14.00

Bell Shaped.

Heavy seamless rubber cup, 4 1/2 inches diameter, 2 3/4 inches high; secured to 24 inch stained hardwood handle by steel plate and screw; used for cleaning out plugged drain pipes; average weight per dozen, 7 pounds; each rubber cup in a box with handle exposed.

Open stock.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

FORCE CUPS

"SIMPLEX."

No. 3. List per dozen **16.80**

Bell Shaped; Long Handle.

Heavy seamless rubber cup 6 inches diameter, 3½ inches high; secured to plain hardwood handle 30 inches long by copper wire band; average weight per dozen, 15 pounds.

Open stock.

SPRAYERS

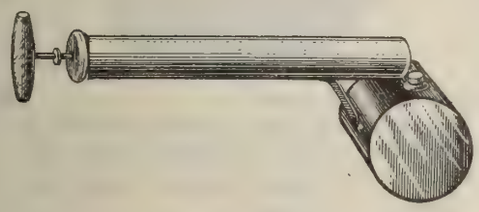
MISTY MIDGET.

No. 5. List per dozen 8.00

1/2 pint Capacity.

Lacquered tin cylinder, 10 inches long, 1 9/16 inches diameter; painted tin tank (soldered to cylinder and braced) 3 5/16 x 2 13/16 inches, with brass filler screw; steel plunger rod with wood handle; length over all 13 3/4 inches; throws a fine spray; average weight per dozen, 8 pounds.

2 dozen in a box.



MISTY.

No. 10. List per dozen 10.20

1 1/4 pint Capacity.

Lacquered tin cylinder, 13 3/4 inches long, 1 9/16 inches diameter; painted tin tank (soldered to cylinder and braced) 4 x 4 1/4 inches, with brass filler screw; steel plunger rod with wooden handle; wooden cylinder plug; length over all, 18 inches; makes a large misty spray; average weight per dozen, 11 pounds.

1 dozen in a box.

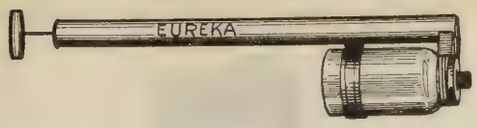
GLASS JAR.

No. 30. List per dozen 15.00

Lacquered tin cylinder, 20 inches long, 1 9/16 inches diameter; the tank is a standard 1 quart Gem Jar secured by painted tin band and screw top; with filler screw; steel plunger rod with wooden handle; wood cylinder plug; oil treated leather washer; length over all 22 1/2 inches; average weight per dozen, 27 pounds.

1/2 dozen in a box.

SPRAYERS



GLASS JAR.

No. 35. List per dozen 18.00

Tin cylinder, 20 inches long, 1 7/16 inches diameter; 1 quart glass jar tank held by band and screw top; with filler screw; steel plunger rod with wooden handle; wood cylinder plug; oil treated leather washer; length over all, 25 inches; painted red; average weight per dozen, 29 pounds.

1 dozen in a box.

CONTINUOUS.

No. 115. List per dozen 20.00

1 1/2 pint Capacity.

Tin cylinder, 13 3/4 inches long, 1 1/2 inches diameter; tin tank (soldered and braced to cylinder) 4 1/2 x 4 1/4 inches, with filler plug; brass nozzle and 2 spray tips; steel plunger rod with wooden handle; wood cylinder plug; length over all 20 inches; painted red; sprays on both up and down stroke of plunger; average weight per dozen, 18 pounds.

1 dozen in a box.

POTATO.

"Never-Fail." List each 10.00

3 gallon Capacity.

Heavy galvanized tank 14 1/2 inches high, 8 1/2 inches diameter, painted top and bottom; brass filler plug; heavy carrying handle; tin cylinder pump firmly secured to tank, with brass stop cock; 2 foot rubber hose with 1 foot galvanized end pipe; brass spray tip and shut-off valve; web shoulder strap; simple and effective compressed air sprayer which will not get out of order; average weight each, 8 1/4 pounds.

1 in a carton.

SPRAYERS

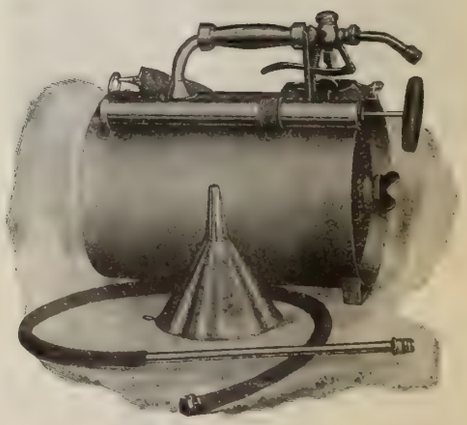
NEW PERFECTION.

No. 1. List each 12.70

About 3 1/2 gallon Capacity.

Galvanized sheet steel tank; rivetted and soldered, 20 inches high, 7 inches diameter; brass tube cylinder air pump, 12 inch stroke, 2 inch diameter, located inside the tank; 2 foot section of 1/2 inch hose with leakless stopcock and spray nozzle; outside filler, strainer and filling funnel; shoulder carrying strap; tank tested to 75 pound pressure; all iron parts are malleable; shipping weight, 12 pounds each.

1 in a box.



COMPRESSED AIR.

No. 110. List each 14.00

2 1/2 gallon Capacity.

Heavy sheet metal tank 13 inches long, 9 inches diameter, aluminum painted; steel cylinder pump firmly secured to the tank and fitted with shut-off valve; carrying handle with wood grip; brass control valve; 40 inch rubber hose with 4 inch brass pipe and brass spray tip; web shoulder strap; brass filler plug in tank; with tin funnel; average weight each, 11 pounds.

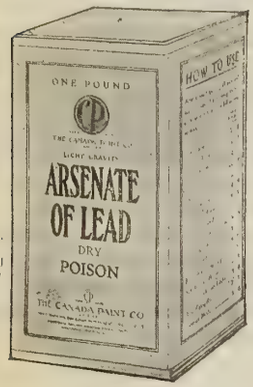
1 in a carton.

PARIS GREEN

Size	List per pound. Berger's	C.P. Co.
1/2 lb. cartons	.74	.74
1 lb. cartons	.70	.70
1 lbs. tins	.74	
25 lb. drums	.66	.66
50 lb. drums	.62	.62

A powder of proven quality; light and fluffy; works quickly; used dry or in solution for spraying all kinds of foliage.
1/2 and 1 lbs.—100 pounds in a case.
Drums, open stock.

ARSENATE OF LEAD

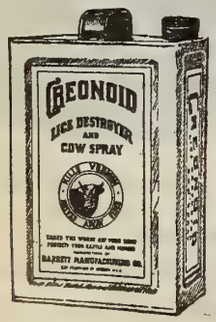


C. P. Co.

Size	List per pound. Dry.	Paste.
1/2 lb.	.64	
1 lb.	.60	.42
5 lb.	.58	.39
25 lb. drums	.54	.32
50 lb. drums	.48	
100 lb. drums	.46	.28

Contains from 31 to 33 per cent. of Arsenic Oxide thoroughly combined with the lead; for combating all leaf-eating insects; does not injure the foliage; packages give a list of strengths for different insects.
Packages, 50 lbs. in a case.
Drums, open stock.

INSECTICIDES



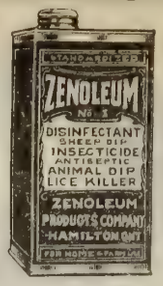
"CREONOID."

Size cans.	App. wt. each, lbs.	List per dozen.
1/2 gallon	5 1/4	16.00
1 gallon	10 1/2	24.00

Lice Destroyer and Cow Spray.
An antiseptic preparation made from coal tar; invaluable for protection of cattle, horses, pigs, poultry, against lice, mites, flies, etc.; put up in lithographed cans with screw top and carrying handle.
1 dozen in a crate.

INSECTICIDES

For Live Stock, Poultry and general disinfecting.



"ZENOLEUM."

Size, cans.	App. contents.	App. wt. doz., lbs.	Doz. in a box.	List dozen.
35c	6 1/2 oz.	7	6	6.00
50c	12 oz.	12 3/4	2	9.00
75c	24 oz.	25	2	12.50
1.25	52 oz.	49	1	22.00

Disinfectant Dip.
A concentrated scientifically compounded preparation in screw top cans for general disinfecting in the home, live stock and poultry; for lice, mites, skin diseases, wounds, mange, etc., and for general use about the farm, the barn and the henhouse; 1 gallon of Zenoleum will make 100 gallons of disinfectant; ready for use by simply diluting with cold water.

LICE POWDER

"ZENOLEUM."
35c. size. List per dozen 6.00
A high grade, fluffy dusting powder; a sure killer of poultry and livestock lice; containing tobacco as a base, mixed with other non-poisonous insecticides; in cardboard containers within tin bottom and sifter top; 8 inches high, 3 inches diameter weighing 19 ounces.
2 dozen in a case.

FLY SCOOT.

"ZENOLEUM."

Size, cans.	App. contents.	App. wt. doz., lbs.	List dozen.
.75	56 oz.	51	12.00
$1.50	112 oz.	102	23.00

A liquid preparation scientifically compounded, used to protect animals from flies and mosquitoes, for lice and mice, etc.; also for use in the home; in screw top cans with carrying handle; used undiluted.
75c. size, 2 dozen in a case.
$1.50 size, 1 dozen in a case.

GALL CURE

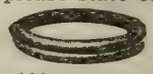
"BICKMORE'S"
2 oz. List per dozen 5.40
A salve for the cure of collar or saddle galls upon horses; chafes, bruises, cuts, burns, etc., etc.; used successfully for, burns, sores, etc., on human beings. In friction top tins 2 5/8 x 1 inch; average weight per dozen, 2 1/2 pounds.
1 dozen in a carton.

NEST EGGS

Lime. List per gross 7.20
Contains 95 per cent. sulphate of lime, a well known nest disinfectant; neat and smooth appearance; will not break; size 2 3/8 x 1 3/4 inches; average weight per dozen, 1 1/4 pounds.
Open stock.

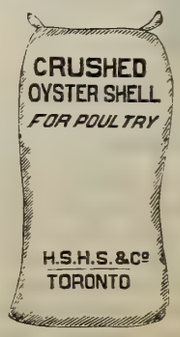
POULTRY LEG BANDS

In ordering please state color required.



Size 4. List per 100 ..... 1.00
Green, Blue, Pink or Red.
Inside diameter, 1/2 inch.
Size 6. List per 100 ..... 1.24
Green, Blue, Pink or Yellow.
Inside diameter 9/16 inch.
Size 7. List per 100 ..... 1.40
Green, Blue, Pink or Red.
Inside diameter, 5/8 inch.
Size 8. List per 100 ..... 1.50
Green, Blue, Pink or Red.
Inside diameter, 11/16 inch.
Flexible Celluloid.
Round spiral bands; size 4, 5/64 inch material, size 8, 7/64 inch material; average weight per hundred, 3 oz.; sold only in full strings.
1/4 hundred on a string.

OYSTER SHELL



Crushed. List per bag 2.40
In 100 Pound Bags.
High grade oyster shell carefully cleaned, dried and crushed; sold only in full (canvas) bags.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

FLY SCOOT

"ZENOLEUM."

Size, can.	App. contents.	App. wt. doz. lbs.	List per dozen.
85c.	38 oz.	33	14.00

A liquid preparation scientifically compounded; used to protect animals from flies, mosquitoes; also for lice, mice, etc.; and use in the home; in screw top cans; used undiluted.

1 dozen in a case.

Cancelling 75c size on page 178.

CHICKEN LEG BANDS

No. 2. List per 100 ..... **3.30**
For Leghorns.

Inside diameter, 1/2 inch; weight per 100, 4 ounces.

No. 3. List per 100 ..... **3.30**
For Wyandottes and Rocks.

Inside diameter, 11/16 inch; weight per 100, 5½ ounces.

Ribbon; All Celluloid.

Numbered 1 to 100—Colors, red, cerise, yellow, blue and green. Strong and very durable as well as being light, easily put on and can't come off, but can be used a second or third time, numbers are burnt into band and are absolutely permanent.

1 Hundred in a package.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

CYCLE HATCHER.

No. 134. List per dozen 138.00

50 Egg Capacity.

The principle of this incubator is simple; readily operated by beginners; aluminum painted metal frame; centralized safety oil lamp, has only 6 inches to radiate heat to the farthest egg; carefully packed nest with removable cover; glass peep-hole; automatic and adjustable heat regulator; requires no applied moisture; a light and compact incubator which will produce strong chicks. Full directions with each machine.

1/12 dozen in a wooden box.

BROODER HATCHER

No. 137. List per dozen 170.40

50 Egg Capacity.

This machine is exactly the same as the No. 134 Cycle Hatcher with the added advantage of the brooder; the lower half is also covered, in which the chicks may be brooded after hatching; aluminum painted metal frame; centralized safety oil lamp; carefully packed nest with removable cover; glass peep hole; automatic and adjustable heat regulator; full directions with each machine.

1/12 dozen in a wooden box.

QUEEN INCUBATORS

"Standard" Machines.

The Queen Standard Incubators are of the very highest quality. Every detail of material and construction is carefully looked after ensuring reliable machines that will produce big hatches of strong healthy chicks that live and grow.

Made with **double walls of California Red-wood** (seasoned 18 mos.) with corrugated straw-board between, ensuring perfect insulation; accurate ventilation is obtained by adjustable slide ventilators both top and bottom; **hot water system** with copper radiator, boiler and brass expansion filler cup; and patented air release galvanized steel lamp bowl (non-leakable) with large size brass burner, and encased flue with mica window and egg testing attachment; galvanized asbestos lined boiler jacket, lamp bowl jacket and hanger; special heat regulator with double 4-inch wafer thermostat providing a sure, self regulating heat supply; wood frame egg trays with galvanized wire cloth bottom and iron strip; wood frame nursery trays (one for each egg tray), bottomed with flannelette cloth; solid panel outside door with sash lock; separately hinged glass inner door; height over all, 32 inches; depth of cabinet, 13½ inches, varnished outside; guaranteed thermometer and instruction book with each machine; packed each in a crate with legs detached.

Style K Machines.

The Style "K" Machines are made to meet the demands of those who wish to purchase an Incubator not quite so high in price as the "Standard" Queen; consequently are not equipped with the strong improvements of the "Standard" but are fully guaranteed as to workmanship, materials and construction and will hatch every hatchable egg.

STYLE K.

No. 20. List each 26.60

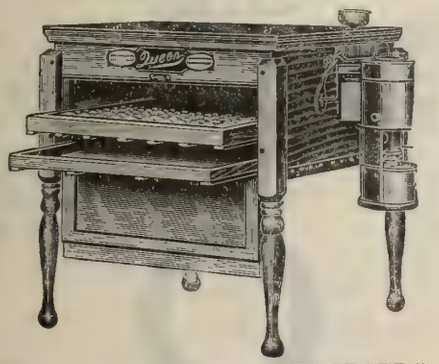
70-Egg Capacity.

Floor space 21½ x 28 inches; (including lamp) 1 egg tray 16½ x 17¼ inches; one outside and one inside door; shipping weight 40 pounds each.

No. 21. List each 44.80

130-Egg Capacity.

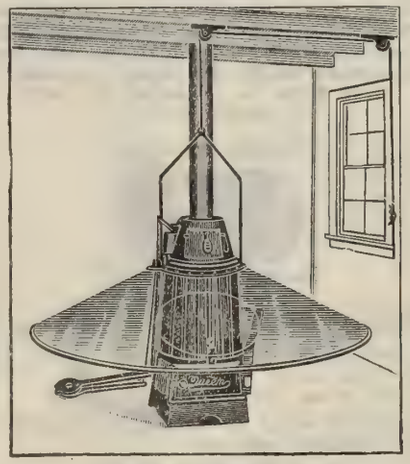
Floor space 28 x 31 inches; (including lamp); 1 egg tray 20½ x 23½ inches; one outside and one inside door; shipping weight, 80 pounds each.



"STANDARD."

No.	Egg Capacity.	Floor space, Inches.	Egg tray, Inches	Weight, Lbs.	List each
1	85	23 x28½	16½x18½	65	44.80
2	135	28½x33	20½x23½	75	60.20
3	180	30½x35½	23½x25½	85	72.10

BROODERS

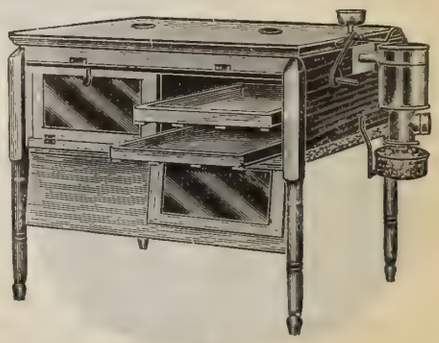


QUEEN COLONY HOVER.

No.	1	2
List each	35.00	43.40
Chick size	600	1200
Height of stove, ins.	23	26
Diam. of stove, ins.	10	11
Diam. of grate, ins.	9	10¾
Diam. of hover, ins.	42	52
App. wt. each, lbs.	83	120

Automatic Control.

Made of highest quality iron castings; both check and draft are controlled automatically by double wafer thermostat keeping an even heat all the time; rocker type grate; burns hard or soft coal, coke, etc., with equally satisfactory results; collapsible hover made of four pieces of galvanized iron with cast iron ring to fit on the stove; furnished with wire hook also rope and pulleys; stove collar takes three inch pipe; stove and hover each crated separately.

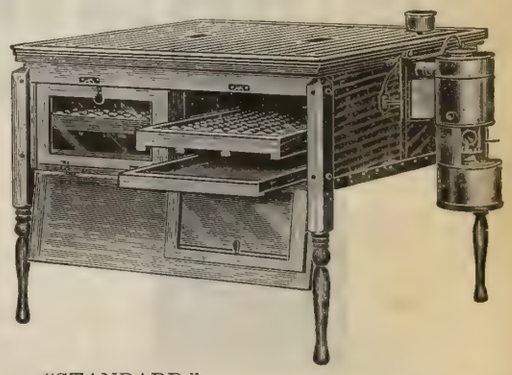


STYLE K.

No. 22. List each 60.20

220 Egg Capacity.

Floor space (including lamp) 30½ x 45½ inches; two egg trays 16⅜ x 16¾ inches; one outside and two inside doors; shipping weight 105 pounds each.

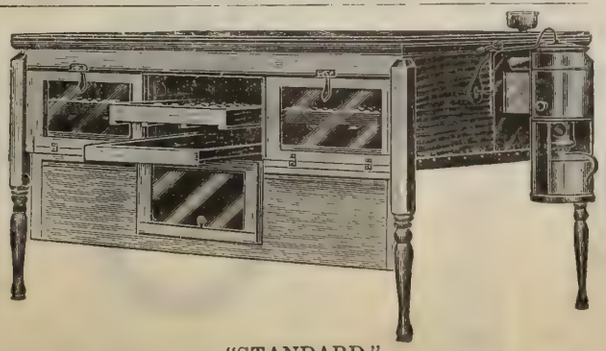


"STANDARD."

No. 4. List each 93.80

275 Egg Capacity.

Floor space 34½ x 45 inches (including lamp); two egg trays 16½ x 30 inches; one outside and two inside doors; shipping weight, 120 pounds.

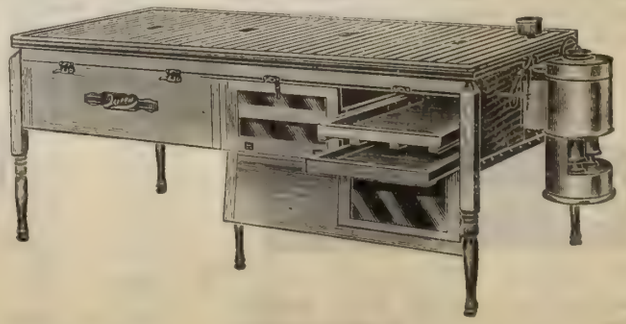


"STANDARD."

No. 5. List each 109.80

400 Egg Capacity.

Floor space 34½ x 63 inches (including lamp); three egg trays 16½ x 30 inches; one outside and three inside doors; shipping weight, 170 pounds.



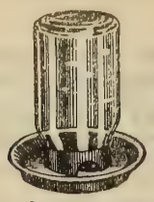
"STANDARD."

No. 25. List each 168.00

600 Egg Capacity.

Floor space 36½ x 82 inches (including lamp); four egg trays 16½ x 31¾ inches; one outside and four inside doors; shipping weight, 240 pounds.

JAR FOUNTS

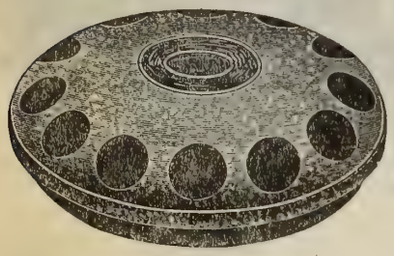


No. 124. List per dozen 2.20

Made of 23 gauge galvanized sheets; jar collar 3 inches diameter, securely soldered to base and punched with holes to allow the flow of liquid; crimped base 4 inches diameter, fits standard Canadian 1 and 2 quart fruit jars; average weight per dozen, 3 1/4 pounds.

Open stock.

POULTRY FEEDERS



No.	Diam., inches	No. of holes.	App. wt. doz. lbs.	List dozen.
126 Small	6 1/4	8	4 1/2	4.40
126 Large	8 1/2	12	8 1/8	6.60

Galvanized.

Stamped from No. 23 galvanized sheets; 1 1/4 inch diameter holes; removable top; for feeding dry mash or liquid to baby chicks.

Open stock.

GRIT BOXES

No. 119. List per dozen 17.40

Galvanized.

Made from 26 gauge galvanized sheets; 3 compartments; carrying handle of No. 9 wire; hinged lid; 12 1/2 inches high, 8 inches wide, base 4 1/4 inches from front to back; average weight per dozen, 27 1/2 pounds.

Open stock.

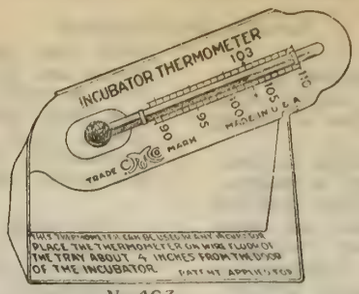
INCUBATOR THERMOMETERS

No. 191. List per dozen 14.40

Black enamelled metal face; flanged; silvered markings and figures; mercury filled tube; marked from 85 to 112 degrees; 4 inches long, 1 3/16 inches wide; approximate weight per dozen, 12 oz.

1/12 dozen in a carton.

INCUBATOR THERMOMETERS



No. 403

No. 403. List per dozen 19.20

Combined Thermometer and Stand.

Stamped brass face and stand; dull silver finish; black scale and figures; mercury filled tube; accurately tested; marked from 89 to 110 degrees; 4 1/2 inches wide over all, 3 5/8 inches high over all; approximate weight per dozen, 4 pounds.

1/12 dozen in a wooden box with sliding cover.

SPOOLED WIRE

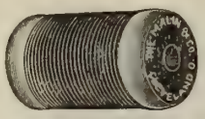
BLACK HAIR WIRE

Small Spools.

Gauge	30	32
List per dozen	.60	.66
App. ft. on spool	31	37
App. wt. gross, lbs.	7½	7¼

Annealed steel wire on wooden spools; for milliners use, etc.

1 dozen in a box.



TINNED HAIR WIRE

Small Spools.

Gauge	28	30	32
List per dozen	.66	.70	.80
App. ft. on spool	24	31	37
App. wt. gross, lbs.	7½	7½	7½

Annealed steel wire on wooden spools; for milliners use, etc.

1 dozen in a box.

TINNED HAIR WIRE

No. 30.

Spools, pounds	1/4	1/2	1
List per dozen	2.70	5.80	11.30
Ap ft. on spools	315	656	1418

On wooden spools; specially spooled for bee keepers use.

¼ and ½ pound spools, 1 dozen in a box.

1 pound spools, ½ dozen in a box.

SOFT COPPER WIRE

2 oz. Spools.

Gauge	16	18	20	22
List per dozen	2.60	2.60	2.60	3.00
App ft. on spool	9	12	23	40
Ap. wt. dz., lbs.	1¾	1½	1½	1½

On wooden spools.

1 dozen in a box.

SPOOLED WIRE ASSORTMENT

IMPROVED.

No. 40. List each 5.50

Contains 40 spools (2 oz.) of the different wires as listed below; packed in a heavy cardboard display box 15 x 6¾ x 1½ ins.; average weight each, 6 pounds.

Contents:

2 spools each black, annealed wire, 18, 20, 22, 24, 26.

2 spools each tinned annealed wire, 18, 20, 22, 24, 26.

2 spools each soft brass wire, 18, 20, 22, 24, 26.

2 spools each soft copper wire, 18, 20, 22, 24, 26.

SOFT COPPER WIRE

In 300-feet Coils.

22 Gauge. List per dozen coils 8.40

Aervage weight per coil—1⅛ pounds.

Open stock.

COPPER AERIAL WIRE

B. & S. Gauge.

14 Gauge. List per coil ..... .94

100-ft. Coils.

Hard drawn bare copper wire; .064084 inch diameter; average weight per coil, 21 ounces.

Sold only in full coils.

SNARE WIRE

SOFT BRASS.

Gauge	22	24
List per pound	.98	1.02
App. ft. in a ring	42	29

1 oz. Rings.

For snaring small game, etc.

In bundles of 5 pounds.

STOVE PIPE WIRE

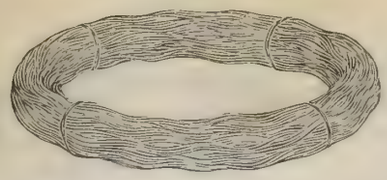
Gauge	18	19
List per 100 lbs.	17.50	18.50
App ft. in ¼ lb. rings	43	62

¼ pound Rings.

Annealed steel wire; black.

In bundles of 10 pounds.

WIRE IN COILS



GALVANIZED COIL SPRING WIRE

Gauge	9	12
List 100 pounds	8.10	8.50
App. feet in a pound	16¾	31¾

Fine quality coiled spring steel wire; for use in building woven fences in the field.

In coils of about 100 pounds.

SOFT GALVANIZED WIRE

Gauge	Decimal of inch	App. ft. in a pound	App. wt. of 100 ft. lbs.	List per 100 pounds.
6	.1920	10 1/4	9.73	9.50
7	.1770	12 1/2	8.03	9.50
8	.1620	14 1/4	6.96	9.50
9	.1483	17 1/4	5.08	8.00
10	.1350	20 1/2	4.83	9.50
11	.1205	26	3.82	9.60
12	.1055	34 1/4	2.92	8.40
13	.0915	44 1/2	2.24	8.70
14	.0800	59	1.69	10.50
15	.0720	73	1.37	11.70
16	.0625	95 1/4	1.105	12.50

In catch weight bundles of about 100 pounds.

DEAD SOFT GALVANIZED WIRE

Gauge	Decimal of inch	App. ft. in a pound	App. wt. of 100 ft. lbs.	List per 100 pounds.
9	.1483	17 1/4	5.08	8.00

In catch weight bundles of about 100 pounds.

OILED AND ANNEALED WIRE

Gauge	10	11	12	13
List 100 pounds	7.62	7.74	7.90	8.10
Decimal of inch	.135	.1205	.1055	.0915
App. ft. in pound	20½	26	34¼	44½
App. wt. of 100 ft., pounds	4.83	3.82	2.92	2.24

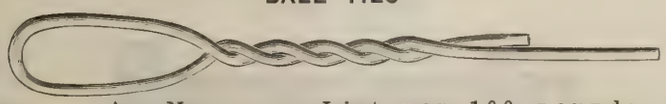
Black soft wire; drawn to A. S. & W. gauge.
About 50 pounds in a coil.

HAY BALING WIRE

Gauge	14	15	16
List 100 lbs.	8.00	8.30	8.60
Decimal of inch	.08	.072	.0625
App. ft. in lbs.	59	73	95¼
App. wt. of 100 feet, lbs.	1.69	1.37	1.05

Black soft annealed wire; drawn to A. S. & W. gauge.
About 50 pounds in a coil.

BALE TIES



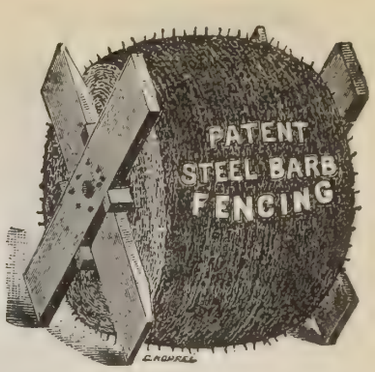
Gauge	App. No. of feet, pound.	List per 100 pounds Shorter than 4 feet.	4 to 6 feet.	Over 6 feet.
12	34.25	10.50	9.50	9.00
13	44.64	10.70	9.70	9.20
13 1/2	52.10	10.80	9.80	9.30
14	59.17	10.90	9.90	9.40
15	73.00	11.50	10.50	10.00
16	95.24	11.90	10.90	10.40

Single Loop.

Soft annealed wire; for baling or bundling hay, straw, excelsior, etc.

Cut to any length.

BARBED WIRE.



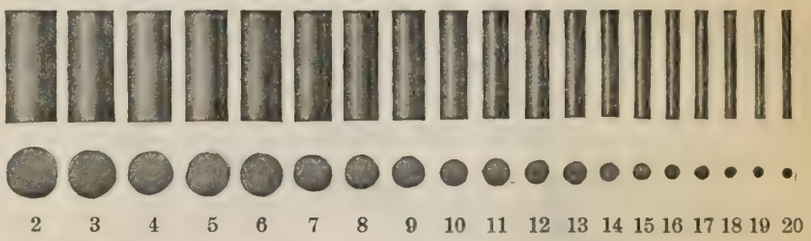
Style	Vesta Cattle.	Vesta Hog.	Standard Cattle
List per spool	7.80	8.50	7.30
Distance between barbs, inches	6	4	5
Number of points	4	4	2
App. wt. per foot, lbs.	.0637	.068	.059
App. ft. per pound	15.71	14.67	16.86
App. wt. per rod, lbs.	1.051	1.122	.974
App. wt. per spool, lbs.	81	91	77

In 80 Rod Spools, 1,320 feet.

12 gauge wire strands; uniformly twisted; round barbs, 8 complete twists per foot of strand wire.

WIRE SIZES

Cuts showing exact sizes of the different gauges of wire measured by the Imperial Standard Wire Gauge.



Imperial Standard Wire Gauge (S.W.G.)

The legal wire gauge of Great Britain; also the Canadian Customs Standard for metal sheets, plates and wires; also used by some of the Canadian manufacturers.

American Steel and Wire Co. Gauge (A.S. & W.)

The most generally used American Gauge used for iron and steel wire; also used by some of the Canadian Manufacturers.

S.W.G. Gauge.	Decimal of inch.	App. No. of feet in lb.	App. wt. per mile, pounds.	A.S. & W Gauge.	Decimal of inch.	App. No. of feet in lb.	App. wt. per mile, pounds.
1	.300	4.15	1,268	1	.2830	4.68	1128
2	.276	4.9	1,073	2	.2625	5.44	970
3	.252	5.89	895	3	.2437	6.31	836
4	.232	6.96	758	4	.2253	7.47	715
5	.212	8.33	633	5	.2070	8.81	603
6	.192	10.18	520	6	.1920	10.28	519
7	.176	12.11	436	7	.1770	12.05	441
8	.160	14.62	360	8	.1620	14.37	370
9	.144	18.08	292	9	.1483	17.24	310
10	.128	22.87	231	10	.1350	20.70	357
11	.116	27.86	190	11	.1205	26.18	205
12	.104	34.66	152	12	.1055	34.25	157
13	.092	44.28	119	13	.0915	44.64	118
14	.080	58.55	90	14	.0800	59.17	90
15	.072	72.29	73	15	.0720	73.00	73
16	.064	91.5	58	16	.0625	95.24	55
17	.056	119.52	44	17	.0540	129.87	41
18	.048	162.67	32.25	18	.0475	172.11	32
19	.040	234.24	22.5	19	.0410	222.22	24
20	.036	289.18	18.25	20	.0348	312.50	17

FENCE STAPLES

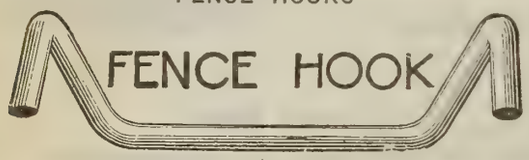
BRIGHT STEEL WIRE

Size, inches	1 1/4	1 1/2	1 3/4	2
25 lb. boxes. List 100 lbs.	10.30	10.30	10.30	10.30
100 lb. kegs. List 100 lbs.	8.30	8.30	8.30	8.30

GALVANIZED STEEL WIRE.

Size, inches	1 1/4	1 1/2	1 3/4	2
25 lb. boxes. List 100 lbs.	12.30	12.30	12.30	12.30
100 lb. kegs. List 100 lbs.	10.30	10.30	10.30	10.30
Length, ins. (inside)	1 1/4	1 1/2	1 3/4	2
Width, ins. (inside)	3/16	3/16	3/16	3/16
Gauge	9	9	9	9
App. No. per lb.	89	74	67	60

FENCE HOOKS



Galvanized. List per 100 pounds 12.00

Made of No. 9 soft galvanized wire; length over all 2 7/8 inches; for fastening wooden pickets to wire fences.

In 100 pound kegs.

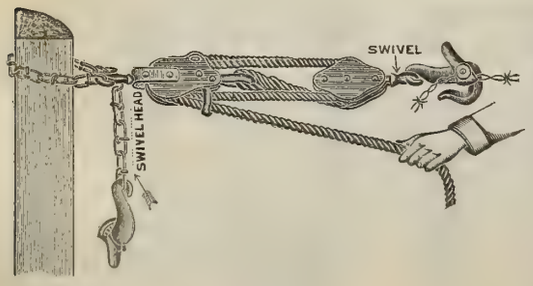
WIRE STRETCHERS

"Townsend." List per dozen 50.00

Lever.

36 inch hardwood lever handle with serrated steel plate inserted in the wide end to grip the post; bright malleable iron grip with inserted steel jaws; swivel link securely bolted to handle; by its use wire may be stretched and nailed to the post by a person without assistance; average weight per dozen, 42 pounds.

Open stock.



Improved Ohio. List per dozen 48.00

Steel swivel blocks; malleable swivels and hooks; compact and substantial bearings; automatic direct acting locking device, locks in any position and is positive in action; finished in bright red; 26 inch bright weldless chain of No. 10 wire; complete with 14 feet of 3/8 inch rope; can be used as a hoist without any change; average weight per dozen, 54 pounds.

Open stock.

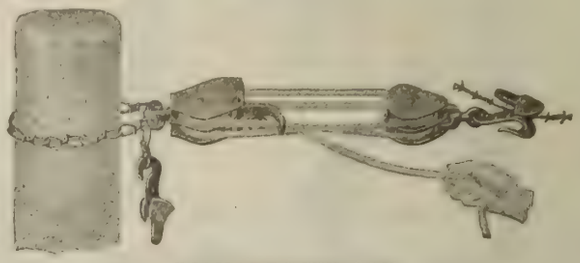
WIRE STRETCHERS
or Hoists.

"Royal Blue." List per dozen 60.00

Roller Bearing.

Steel blocks; malleable swivels and hooks; anti-friction roller bearings; extra quality wire grips with hardened eccentrics positive in action; may be used as a hoist without change; painted dark blue; complete with 27 inch weldless chain of No. 9 wire and 14 foot length of 3/8 inch rope; average weight per dozen, 60 pounds.

Open stock.



RICHARDS-WILCOX.

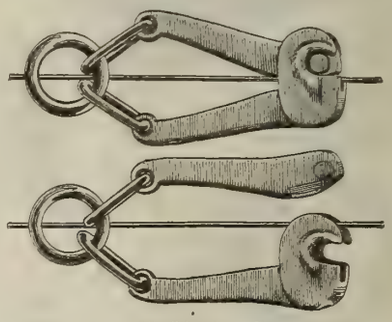
No. 340 x 2. List per dozen 72.00

Roller Bearing.

Steel frames; malleable swivels and hooks; the grips are specially hardened to avoid wear; strong and positive automatic rope lock and release; finished in red enamel; complete with 20 feet of 1/2 inch rope and 35 inch bright wire chain of No. 7 gauge wire; average weight per dozen, 80 pounds.

Open stock.

WIRE CLAMPS



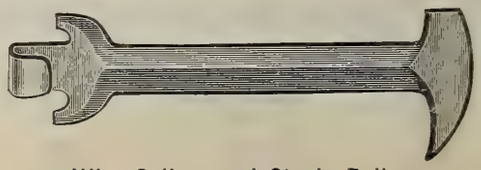
McCloskey."

See page 143 for price.

Malleable iron, painted black; inserted jaw plates of hardened steel; 2 inch ring; length over all 10 inches; for use by linemen, fence builders, etc.; average weight per dozen, 22 1/2 pounds.

Open stock.

FENCE TOOLS.



Wire Splicer and Staple Puller.

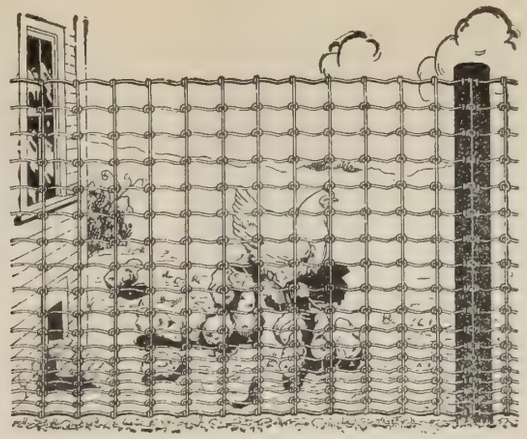
List per dozen 7.50

A handy tool for erecting or taking down wire fencing; one end equipped with spur for pulling out staples; the other end being bent and grooved for splicing wire; malleable iron; black finish; length over all, 7 1/2 inches; average weight per dozen, 10 1/2 pounds.

Open stock

H S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

POULTRY FENCE



BANTAM

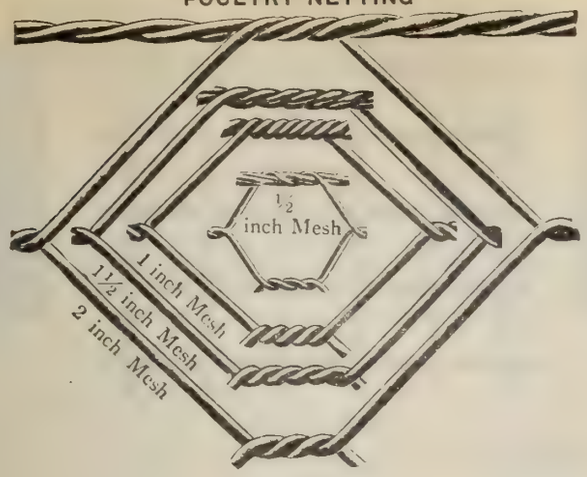
Width feet.	No. of cross bars	Spacing cross bars, inches.	App. wt. roll, lbs.	List per roll.
3	15	1 to 4½	54	8.40
4	18	1 to 4½	64	9.40
5	20	1 to 6	70	10.60

No. 15½ Gauge.

Made of hard steel wire; the cross wires are securely locked together, uprights 6 inches apart, making a strong durable fabric; bottom spacing is close enough to keep in small chicks.

In 10 rod rolls.

POULTRY NETTING



HEXAGON.

2 Inch Mesh No. 19 Wire.

Width, inches.	App. wt. roll. pounds.	Sq. ft. in a roll.	Approximate List cost per running yard.	Standard list.	List per roll.
12	13	150	.6 1/2	1.80	3.16
18	17	225	.9 1/2	2.65	4.64
24	21	300	.12	3.40	5.96
30	26	375	.14	4.00	7.00
36	30	450	.17	4.75	8.32
48	40	600	.22	6.20	10.86
60	50	750	.27	7.70	13.48
72	60	900	.32 1/2	9.20	16.10
84	70	1050	.37	10.50	18.38

1 1/2 Inch Mesh. No. 19 Wire.

Width, inches.	App. wt. roll. pounds.	Sq. ft. in a roll.	Approximate List cost per running yard.		List per roll.
36	40	450	.22	.....	11.00
72	75	900	.39	.....	19.50

1 Inch Mesh. No. 20 Wire.

Width, inches.	App. wt. roll. pounds.	Sq. ft. in a roll.	Approximate List cost per running yard.	Standard list.	List per roll.
12	17	150	.14	4.00	7.00
18	24	225	.20	5.50	9.64
24	33	300	.29	7.00	14.26
30	40	375	.30	8.50	14.88
36	50	450	.35	10.00	17.50
48	66	600	.49	14.00	24.50

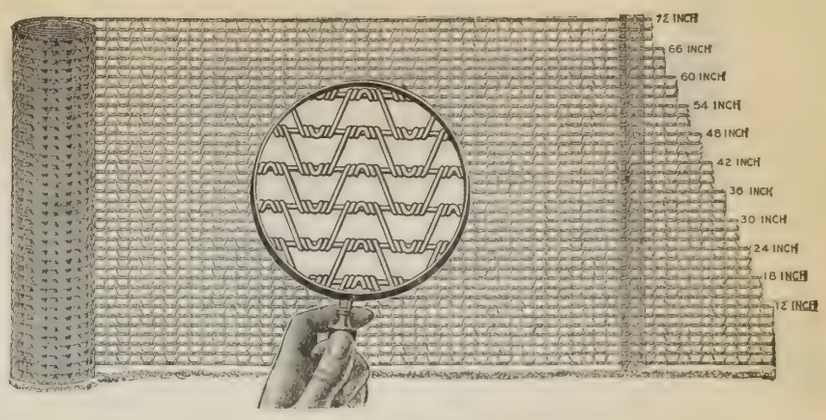
1/2 Inch Mesh. No. 22 Wire.

Width, inches.	App. wt. roll. pounds.	Sq. ft. in a roll.	Approximate List cost per running yard.		List per roll.
12	21	150	.23	.....	10.00
18	26	225	.31	.....	14.50
24	37	300	.40	.....	19.00
30	50	375	.48	.....	23.30
36	55	450	.58	.....	27.70

Made of best quality steel wire; perfectly galvanized; twisted 2 strand selvidges; used for poltry runs, lawn tennis nets, bird and small animal cages, etc., etc. Sold only in full rolls.

In rolls of 150 running feet.

POULTRY NETTING



LAY-FLAT.

2 Inch Mesh. No. 19 Wire.

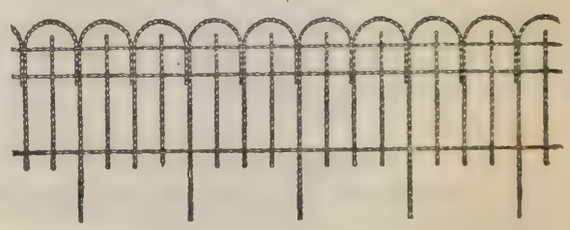
Width, inches.	App. wt. roll, pounds.	Sq. ft. in a roll.	List cost per running yard.	Standard list.	List per roll.
12	11 1/2	150	.6 1/2	1.80	3.16
18	17	225	.9 1/2	2.65	4.64
24	21	300	.11	3.40	5.96
30	26	375	.14	4.00	7.00
36	30	450	.17	4.75	8.32
48	40	600	.22	6.20	10.88
60	50	750	.27	7.70	13.48
72	60	900	.32 1/2	9.20	16.10
84	70	1050	.37	10.50	18.38
96	80	1200	.42	12.00	21.00

A Better Poultry Fence.

Made of best quality steel wire; galvanized before weaving; twisted two strand selvidges; ideal for poultry runs, etc.; made with parallel wires running every 2 inches apart; up and down wires have double reinforced hinge joint which makes the fence stiff and rigid, yet elastic; stretches perfectly and will stay stretched; does not buckle, bag or sag.

In rolls of 150 running feet.

LAWN BORDER



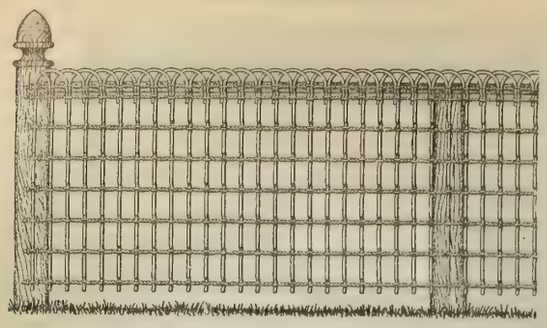
Height, inches.		App. wt. per roll, pounds.		List per 100 feet.
12	.....	67	.....	15.00
18	.....	85	.....	17.50

Green Painted.

An ornamental border for flower beds, etc.; easy to erect. **Specifications:**—Pickets are made of No. 9 hard wire spaced 3 inches apart with every alternate wire doubled over and every 4th wire 6 inches longer so that it can be stuck in the ground; horizontal wires are made of two No. 13 wires twisted together, the 12 inch having 3 and the 18 inch 4 wires; galvanized before painted.

In rolls of 100 feet.

LAWN FENCE



No. 2. PAGOL.

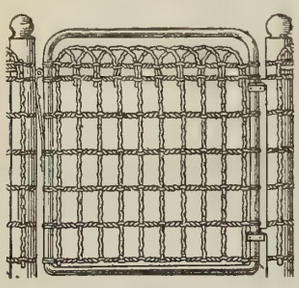
Height, inches.	App. wt. 100 ft., pounds.	List per 100 feet.
30	105	21.00
36	120	23.00
42	135	26.00
48	150	29.00

Green Enamelled.

A strong and artistic fence; extensively used for enclosing lawns or back yards; easy to erect; will give good service. **Specifications:**—Perpendicular wires or pickets are made of No. 9 crimped wire spaced 2 7/8 inches apart and are doubled at the top; horizontal wires are made of two No. 13 wires twisted together and spaced 6 inches apart; thoroughly galvanized before painted.

Cut to any length.

LAWN FENCE GATES



SINGLE.

Size. Ft.	Ins.	Width, feet.	Height, inches.	App. wt. each, lbs.	List each
3	x 36	3	36	16	8.00
3	x 42	3	42	18	8.50
3 1/2	x 36	3 1/2	36	18	9.00
3 1/2	x 42	3 1/2	42	20	9.50
3 1/2	x 48	3 1/2	48	22	10.00

Green Enamelled.

Tube frame 1 1/16 inch diameter; both pickets and horizontal wires are of No. 9 crimped wire held in place with wire knot; pickets are spaced 2 7/8 inches apart and are doubled at the top; horizontal wires are spaced 6 inches apart; complete with hinges for wooden posts and latch; galvanized before painted; the width of these gates includes allowance for latch and hinges.

Open stock.

WIRE CLOTH

The "Mesh" is the number of squares to the inch, measured from centre to centre of wires, the actual size of openings being dependent upon the gauge of wire used.

SIFTER CLOTH.

3 x 3 Mesh. List per roll 15.50

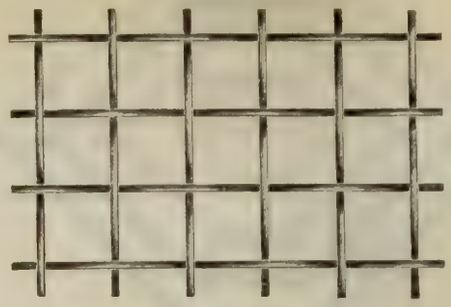
24 Inches Wide.

Made of 20 gauge steel wire; lacquered; particularly adapted for ash sifters; 50 ft. rolls contain 100 square feet weighing approximately 25 pounds; sold only in full rolls.

50 Lineal feet in a roll.

WIRE CLOTH

The "Mesh" is the number of squares to the inch, measured from centre to centre of wires, the actual size of openings being dependent upon the gauge of wire used.



SPECIAL LATH.

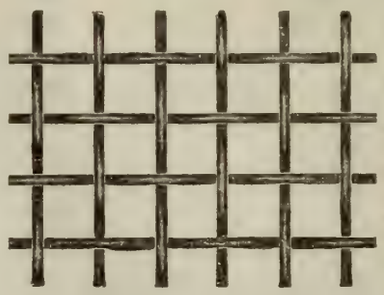
2 1/2 x 2 1/2 Mesh. List per yard 1.30

30 Inches Wide.

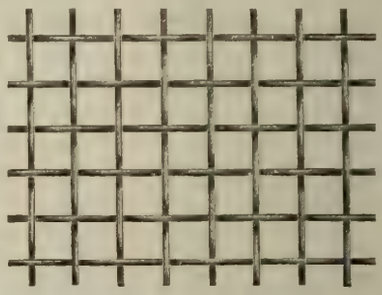
Made of 18 gauge steel wire; black japanned; particularly made for use in place of wood lath.

50 foot rolls contain 125 sq. feet weighing approximately 47 pounds; sold only in full rolls.

50 lineal feet in a roll.



3 x 3 Mesh. 18 Gauge.



4 x 4 Mesh. 19 Gauge.

SAND SCREEN CLOTH.

3 x 3 Mesh. 18 Gauge.

12 1/2 ft. Rolls. List per roll 6.90

50 ft. Rolls. List per yard 1.60

4 x 4 Mesh. 19 Gauge.

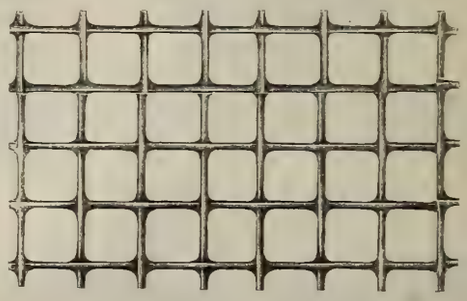
12 1/2 ft. rolls. List per roll 6.90

50 ft. rolls. List per yard 1.60

30 Inches Wide.

Plain black wire; particularly adapted for sand screens; 50 foot rolls contain 125 square feet weighing approximately 52 pounds.

Sold only in full rolls.



RE-GALVANIZED CLOTH.

3 x 3 Mesh. 20 Gauge.

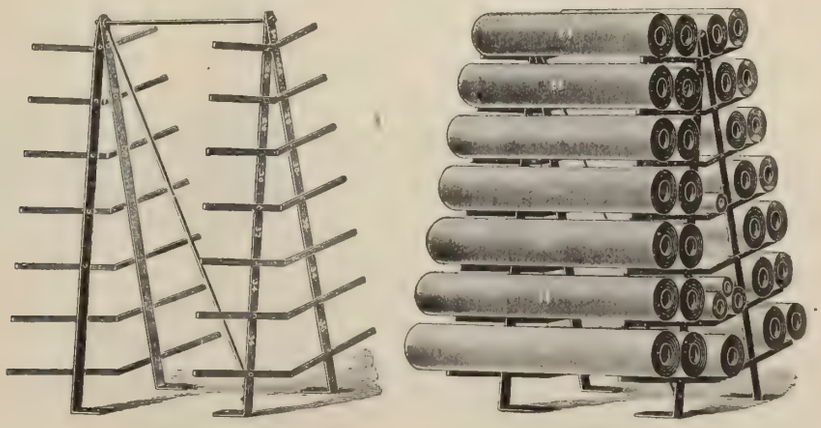
Width, roll, inches.	App. wt. roll lbs.	Sq. ft. in roll.	List cost, yard.	List per roll.
30	41	125	1.20	20.00
36	58	150	1.44	24.00

Steel wire; thoroughly galvanized after weaving, making it one solid sheet and proof against corrosion; standard for apple drying; sold only in full rolls.

50 lineal feet in a roll.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

WIRE CLOTH RACKS



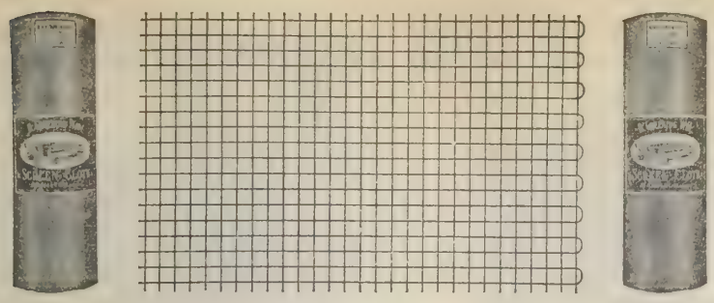
No. IXL. List each 21.70

Aluminum Finish.

Strongly made of flat bar iron; rivetted cross bars arranged to carry 31 rolls, also a number of remnants; uprights 1 x 1¼ inches; cross bars 5/8 x 1/4 inch; height 4 feet; width at bottom 34 inches; held together by top rod threaded at each end with two nuts; also truss rod which fits to the top of one side and the bottom of the other; average weight each, 45 pounds.

1 in a crate.

SCREEN WIRE CLOTH



BLACK PAINTED

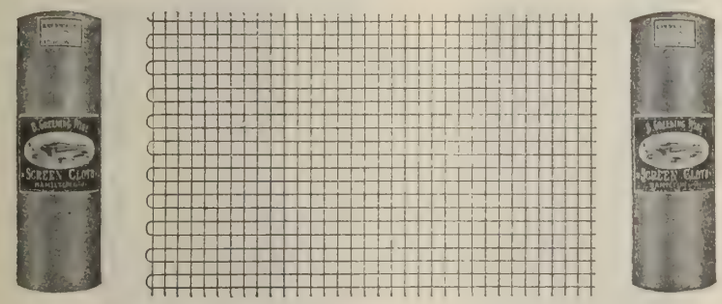
100 ft. rolls. List per 100 sq. feet. 6.00

Width, inches.	Sq. ft. in 100 ft. roll.	App. wt. roll. pounds.	List cost per running yard.	List per roll.
18	150	15	.27	9.00
20	166 2/3	16 1/2	.30	10.00
22	183 1/3	18	.33	11.00
24	200	19 1/2	.36	12.00
26	216 2/3	21	.39	13.00
28	233 1/3	23	.42	14.00
30	250	24 1/2	.45	15.00
32	266 2/3	26	.48	16.00
34	283 1/3	27 1/2	.51	17.00
36	300	29	.54	18.00
38	316 2/3	30 1/2	.57	19.00
40	333 1/3	32	.60	20.00
42	350	33 1/2	.63	21.00
44	366 2/3	35 1/2	.66	22.00
46	383 1/3	37 1/2	.69	23.00
48	400	39	.72	24.00

12 x 12 Mesh.

No. 33 Selected Steel Wire; double crimped; evenly woven; double selvedge; thoroughly coated with a special black paint of lustrous finish; sold only in full rolls (paper wrapped.)

100 lineal feet in a roll.



GALVANIZED.

100 ft. rolls. List per 100 sq. feet. 10.00

Width, inches.	Sq. ft. in 100 ft. roll.	App. wt. roll, pounds.	List cost per running yard.	List per roll.
24	200	22	.60	20.00
26	216 2/3	24 1/2	.65	21.68
28	233 1/3	27	.70	23.34
30	250	28	.75	25.00
32	266 2/3	29	.80	26.67
36	300	33 1/2	.90	30.00
42	350	38	1.05	35.00
48	400	43	1.20	40.00

14 x 14 Mesh.

No. 33 selected steel wire; evenly woven; double crimped; double selvedge; carefully and smoothly galvanized making it attractive in appearance; will resist the weather indefinitely; sold only in full rolls (paper wrapped.)

100 lineal feet in a roll.

POULTRY NETTING STAPLES

GALVANIZED.

Length, inch (inside)	3/4	7/8	1
10 lb. boxes, list pound	.18	.18	.18
25 lb. boxes, list pound	.17	.17	.17
100 lb. kegs, list pound	.15	.15	.15
App. No. in pound	336	284	260

Galvanized steel wire; No. 13 gauge; clipped point; average inside width, 3/16 inch.

Packed as above.

BED STAPLES

Length, inch (inside)	5/8	3/4	7/8	1
1 lb. papers, list pound	.44	.40	.37	.37
10 lb. boxes, list pound	.40	.36	.33	.33
Gauge	16	15	14	14
App. No. in pound	896	600	512	464

Barbed.

Coppered steel wire; average inside width 3/16 inch; clipped point.

Packed as above.

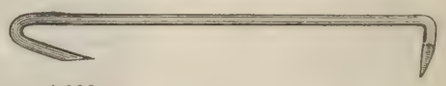
BLIND STAPLES

Length, inch	1/2	5/8	3/4
1 lb. papers, list per pound	.50	.49	.48
10 lb. boxes, list per pound	.46	.45	.44
App. No. in pound	1920	1648	1408

Barbed.

Coppered steel wire; No. 18 gauge; needle pointed.

BASKET HOOKS
or Fasteners.



No. 52. List per 1,000 ..... .50

Coppered steel wire; No. 17 gauge; needle pointed; 2 1/8 inches long; chiefly used for fastening fruit basket covers; average weight per thousand, 1 5/8 pounds.

1 thousand in a paper package.

CANVAS STAPLES

TINNED.

3/8 inch. List per dozen papers 2.00

1/4 Pound Papers.

Bright Flat steel wire; inside length 3/8 inch; inside width 11/64 inch; clipped point; average number in a paper, 460.

1 dozen papers in a carton.

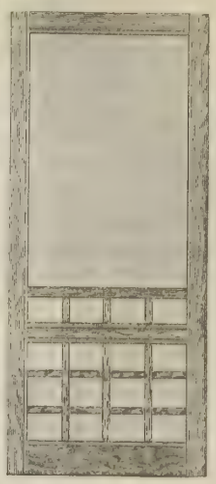
SCREEN DOORS

Carefully selected, well seasoned, dry pine lumber, smooth in surface with rich Golden Oak finish. Stiles and top rails from 4 inch and bottom rails from 6 inch wide stock, finished 7/8 inch thick, held rigid by well glued dowells. Wired with best grade black wire cloth carefully stretched and securely locked in groove.

No.	Size	List per dozen
1A	2 ft. 6 in. x 6 ft. 6 in.	39.20
1B	2 ft. 8 in. x 6 ft. 8 in.	39.20
1C	2 ft. 10 in. x 6 ft. 10 in.	39.20
1D	3 ft. x 7 ft.	39.20

Grained quartered oak finish; 4 x 7/8 inch stiles; average weight per dozen, 220 pounds.

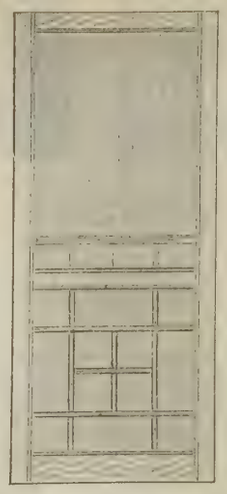
Full Crates of 1/2 dozen of a size and kind **Less** $2.00 per dozen list.



No.	Size	List per dozen
21B	2 ft. 8 in. x 6 ft. 8 in.	58.00
21C	2 ft. 10 in. x 6 ft. 10 in.	58.00
21D	3 ft. x 7ft.	58.00

Grained, filled and varnished finish; 4 x 7/8 inch stiles; rack is dowlled to stiles and rails, making a strong and durable door; average weight per dozen, 230 pounds.

Full Crates of 1/2 dozen of a size and kind **Less** $2.00 per dozen list.



No.	Size	List per dozen
24B	2 ft. 8 in. x 6 ft. 8 in.	60.40
24C	2 ft. 10 in. x 6 ft. 10 in.	60.40
24D	3 ft. x 7 ft.	60.40

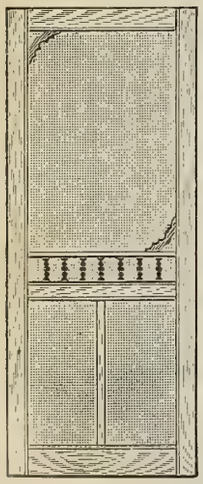
Grained, filled and varnished finish; 4 x 7/8 inch stiles; high centre rail; rack is dowelled to stiles and rails giving added strength and durability; average weight per dozen, 235 lbs.

Full Crates of 1/2 dozen of a size and kind **Less** $2.00 per dozen list.

No.	Size	List per dozen
28B	2 ft. 8 in. x 6 ft. 8 in.	67.00
28C	2 ft. 10 in. x 6 ft. 10 in.	67.00
28D	3 ft. x 7 ft.	67.00

Grained, filled and varnished finish; 3 x 1 1/8 inch stiles; mortised joints; high centre rail; giving added protection to the screen; suitable for stores, offices, etc., where there is constant traffic; average weight per dozen, 280 pounds.

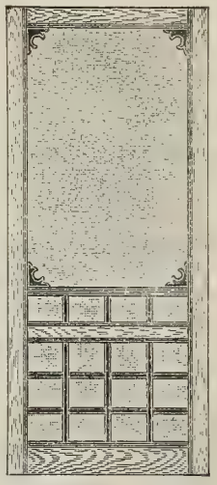
Full Crates of 1/2 dozen of a size and kind **Less** $2.00 per dozen list.



No.	Size	List per dozen
2A	2 ft. 6 in. x 6 ft. 6 in.	46.80
2B	2 ft. 8 in. x 6 ft. 8 in.	46.80
2C	2 ft. 10 in. x 6 ft. 10 in.	46.80
2D	3 ft. x 7 ft.	46.80

Grained quartered oak finish; 4 x 7/8 inch stiles; with two corner scrolls, also spindles, average weight per dozen, 230 pounds.

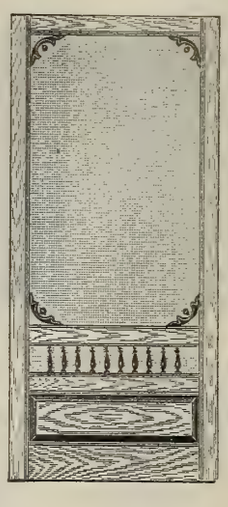
Full Crates of 1/2 dozen of a size and kind **Less** $2.00 per dozen list.



No.	Size	List per dozen
21½B	2 ft. 8 in. x 6 ft. 8 in.	60.40
21½C	2 ft. 10 in. x 6 ft. 10 in.	60.40
21½D	3 ft x 7 ft.	60.40

Grained, filled and varnished finish; 4 x 7/8 inch stiles; with four corner scrolls and dowelled rack, giving added strength and durability; average weight per dozen, 240 pounds.

Full Crates of 1/2 dozen of a size and kind **Less** $2.00 per dozen list.



No.	Size	List per dozen
8B	2 ft. 8 in. x 6 ft. 8 in.	67.60
8C	2 ft. 10 in. x 6 ft. 10 in.	67.60
8D	3 ft. x 7 ft.	67.60

Grained, filled and varnished finish; 4 x 7/8 inch stiles; four corner scrolls and spindles; bevelled panel; average weight per dozen, 290 pounds.

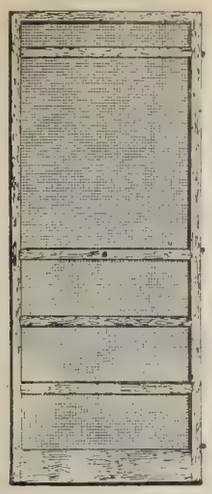
Full Crates of 1/2 dozen of a size and kind **Less** $2.00 per dozen list.

No.	Size	List per dozen
9B	2 ft. 8 in. x 6 ft. 8 in.	75.80
9C	2 ft. 10 in. x 6 ft. 10 in.	75.80
9D	3 ft. x 7 ft.	75.80

Grained, filled and varnished finish; 4 x 7/8 inch stiles; four corner scrolls, spindles and bent ovals; bevelled panel; a strong and serviceable door; average weight per dozen, 300 pounds.

Full Crates of 1/2 dozen of a size and kind **Less** $2.00 per dozen list.

SCREEN DOORS



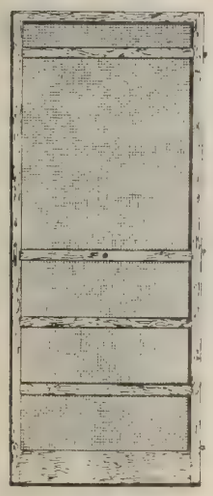
"KASEMENT"

No.	Size	List per dozen. Black cloth	Galvanized cloth
2B	2′8″ x6′8″	84.00	94.80
2C	2′10″x6′10″	85.20	96.00
2D	3′ x7′	86.40	97.20

Oak stained with 1 coat of varnish.
Average weight per dozen, 230 pounds.

Complete with Hardware.

1/2 dozen in a crate.



"KASEMENT"

No.	Size	List per dozen. Black cloth	Galvanized cloth
4B	2′8″ x6′8″	84.00	94.80
4C	2′10″x6′10″	85.20	96.00
4D	3′ x7′	86.40	97.20

Natural finish with 2 coats of varnish.
Average weight per dozen, 230 pounds.

Complete with Hardware.

1/2 dozen in a crate.

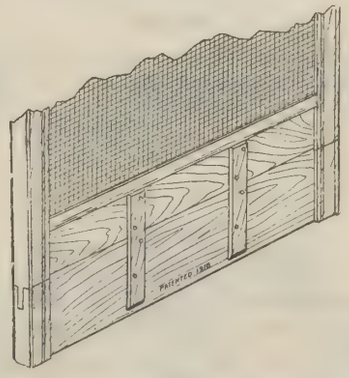
"KASEMENT" SCREEN DOORS

Description.

Kasement doors are made from the finest short leaf yellow pine and have 26 genuine mortise and tennon joints which are guaranteed not to pull apart. The inner face of these doors has a "LEDGE" extending the entire length of the two stiles and top rail making it very easy to trim down to fit uneven door casings. While light in appearance they are strong and rigid and will not sag. They are wired with 12 mesh black wire cloth and 14 mesh "Galvanoid" wire cloth carefully stretched and secured. Each door is complete with the necessary fittings making them easy to put up and easy to take down.

Note—All Kasement doors are made over size to allow for fitting against the casings.

EXTENSION BOTTOMS
for
"KASEMENT" SCREEN DOORS



No.	Length, inches.	List dozen.
2B	2-ft. 8-in.	12.00
2C	2-ft. 10-in.	12.00
2D	3-ft.	12.00

Oak stained with 1 coat of varnish.

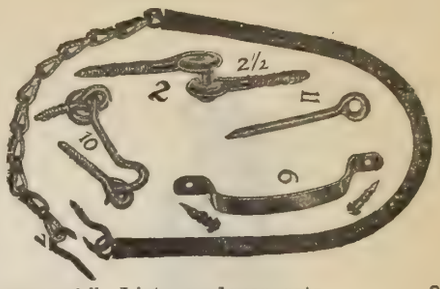
No.	Length, inches.	List dozen.
4B	2-ft. 8-in.	12.00
4C	2-ft. 10-in.	12.00
4D	3-ft.	12.00

Natural finish with 2 coats of varnish.

Made of selected pine, these extension bottoms are used to extend the length of any "Kasement" door up to 6 inches; and are in widths and finishes to match the doors; the stiles are grooved to take the tongues on the bottom of the Kasement doors; two slats go with each bottom; average weight per dozen, 35 pounds.

1/2 dozen in a crate.

SCREEN DOOR FITTINGS



"Kasement." List per dozen sets **8.40**

Set consists of:

3—special hook and eye hinges.

1—blank screw (used as wrench for turning the hinges).

1—12 inch japanned coil spring with 3 inch jack chain, also screw hooks for each end.

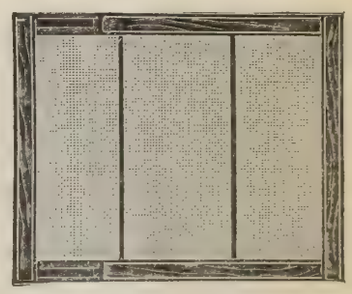
1—door pull with screws.

1—gate hook and eye.

Coil spring and coil spring hooks are japanned; all other pieces are nickel plated steel wire; instructions for fitting with each set; average weight per dozen, 5 pounds.

1/12 dozen sets in a carton.

WINDOW SCREENS



"PERFECTION"

No.	Height, inches.	Closed, inches.	Open, inches.	App. wt. doz., lbs.	List dozen
12	10	20	32 1/2	20	7.00
12 1/2	10	24	40 1/2	22	7.80
1	14	15	22 1/2	20	6.80
13	14	18	28 1/2	22	7.70
14	14	20	32 1/2	24	8.20
14 1/2	14	22	36 1/2	25	8.70
15	14	24	40 1/2	27	9.40
16	14	34	60	35	13.00
2	18	18	28 1/2	26	9.00
3	18	20	32 1/2	29	9.90
4	18	22	36 1/2	30	10.60
5	18	24	40 1/2	31	11.60
6	22	22	36 1/2	34	12.50
7	22	24	40 1/2	36	13.40
8	22	26	44 1/2	38	14.60
9	24	26	44 1/2	40	15.80
10	24	34	60	47	19.60

ADJUSTABLE.

Mortised frames of selected Beech lumber; oiled, natural finish; easy running, non-binding steel slide; best grade, 12 mesh wire cloth; carefully fitted.

1 dozen in a crate.

FIRE EXTINGUISHERS

"PYRENE"

No. 1 Brass. List each 18.00

Complete with black enamelled bracket.

Filled Ready for Use.

A fire extinguisher that puts out any kind of fire in its incipient state. The pump is strongly made of brass and will not rust or corrode; double acting; operated by hand; each drive of the handle throws an ounce of liquid up to 25 feet; locking handle; filler plug; 14 inches long; 3 inches diameter; 32 oz. capacity. The liquid is a chemical mixture containing no water which forms a non-poisonous gas when coming in contact with fire thus smothering the flame; average weight each when filled, 6 pounds.

1 in a carton.

FIRE EXTINGUISHER LIQUID

"Pyrene". List each 3.30

32 oz. cans.

A chemical mixture for extinguishing fires by the formation of an elastic non-poisonous blanket which separates the flame from the burning material; efficient on incipient fires in highly inflammable materials, such as gasoline, varnish, etc., can be used on all classes of electrical fires; will not freeze at 50 degrees F. below zero; in screw top cans; average weight each, 3 5/8 pounds.

Open stock.

RUBBER WATER HOSE

"PLUVIUS"

Size, inch.	App. wt. per length, lbs.	List per 100 feet.
1/2	10	19.00
5/8	12	22.00
3/4	14	26.00

3-Ply.

A general purpose garden and lawn hose, represents good value at a moderate price; it is a "sheeting" construction hose, has a very durable cover and full size, smooth water way. Without couplings.

50 feet in a coil.

"EAGLE"

Size, inch.	App. wt. per length, lbs.	List per 100 feet.
1/2	11 1/2	21.00
5/8	13	24.00
3/4	15 1/2	28.00

4-Ply.

Recommended for general lawn and garden duty, where called into use quite frequently; sheeting constructed; durable cover; full size smooth waterway; without couplings.

50 feet in a coil.

"HERCULES"

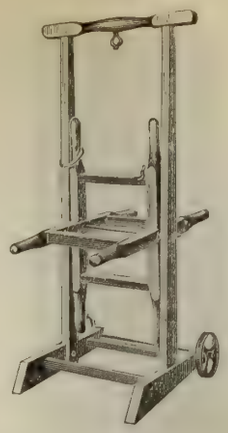
Size, inch.	App. wt. per 100 ft., lbs.	List per 100 feet.
1/2	24	26.50
5/8	33 3/4	30.50
3/4	39 1/2	36.00

Corrugated Cord Hose.

An extra sturdy hose, light and flexible, combining maximum durability; withstands heavy pressure; seamless; non-kinkable; thoroughly inspected and tested; one piece uniformly woven cotton jackets; cut to any length; without couplings.

500 feet on a reel.

HOSE REELS



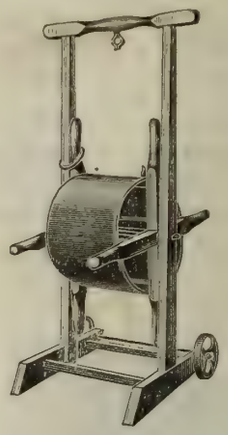
WOOD.

Without Drum. List per dozen 40.80

Holds about 200 feet 1/2 inch Hose.

Varnished wood frame and reel 37 inches high, 13 inches wide; two 4 1/4 inch cast steel wheels; steel axle and reel rod; japanned hose holders; shipped knocked down, easily set up; average weight each, 8 3/4 pounds.

Open stock.



WOOD.

With Drum. List per dozen 49.20

Holds about 200 feet 1/2 inch Hose.

Varnished wood frame and reel 37 inches high, 13 inches wide; two 4 1/4 inch cast iron wheels; steel axle and reel rod; japanned hose holders; galvanized drum of 26 gauge metal; shipped knocked down, easily set up; average weight each 8 3/4 pounds.

Open stock.

HOSE WASHERS

1 Pound Cartons. List per pound 1.40

Rubber.

Made of rubber stock that has the right consistency to withstand pressure, at the same time pliable enough to form a water tight joint; will give satisfactory service for an unusually long time; 3/16 inch wall, 3/32 inch thick; approximately 350 washers to the pound.

In cartons of 1 pound.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

LAWN SPRINKLERS

"Rain King." List per dozen 76.80

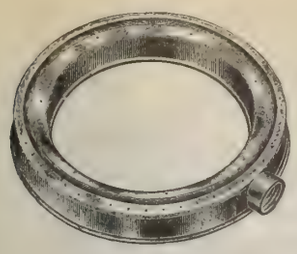
Adjustable.

A new and improved sprinkler with a wonderful variety of uses; circular or stationary spray—fine or coarse—fast or slow—large lawn—small lawn—trees—shrubs—flower beds—takes care of them all; will cover a circle from 8 to 80 feet across; nozzles turn in any direction; arms may be locked (by thumb screw) for stationary use. Brass working parts with bronze bearing and thrust collars; japanned iron base 5¾ x6 inches; height 5¾ inches; weight each, 3 pounds.

Each in a carton.

1/2 dozen in a case.

LAWN SPRINKLERS

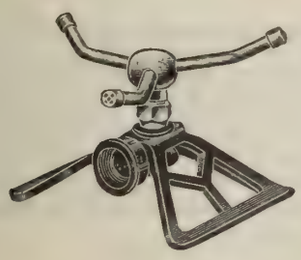


Waverley. List per dozen 18.50

Brass Ring.

Two piece spun brass ring, carefully seamed; perforated on top with fine holes; threaded to fit 1/2 or 3/4 inch hose connections; 8 1/2 inches diameter; 1 1/8 inches high; 1 1/8 inch at base; throws a fine spray over a large area; average weight per dozen, 10 1/2 pounds.

1/12 dozen in a carton.



Midget. List per dozen 33.00

3-Arm Revolving Head.

Black japanned iron base 5 1/2 x 4 1/2 inches, 2 inches high, fitted with rigid hose connection for 1/2 and 3/4 inch couplings; polished brass head and detachable arms 3 inches long; stands 4 inches high; will sprinkle a large area; average weight per dozen, 20 pounds.

1/12 dozen in a carton.

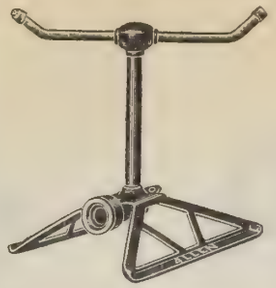
Colorado. List per dozen 72.00

3 Arm Revolving Head.

Black japanned malleable sled base 12 x 12 inches, fitted with loose brass hose connection for 1/2 and 3/4 inch couplings; 14 inch red enamelled stem; polished brass head and detachable arms extending 6 1/2 inches; stands 20 1/2 inches high; gives a wide and thorough distribution of water; average weight per dozen, 72 pounds.

1/12 dozen in a carton.

LAWN SPRINKLERS



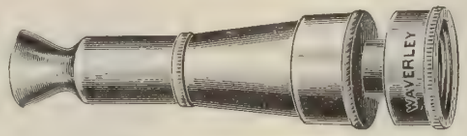
20th Century. List per dozen 36.00

Twin Arm Revolving Head.

Black japanned iron base 8 x 6 1/2 inches, fitted with rigid hose connection for 1/2 and 3/4 inch couplings; 5 inch red enamelled stem; red enamelled brass head; polished brass detachable arms, extending 4 inches; stands 8 1/4 inches high; runs equally well on light or heavy pressure; average weight per dozen, 23 lbs.

1/12 dozen in a carton.

HOSE NOZZLES



"Waverley." List per dozen 16.00

Polished Brass.

Heavy; 4 inches long; for 1/2 or 3/4 inch hose connections; quickly adjusted to throw fine mist or course spray, solid stream or positive shut-off; average weight per dozen, 5 3/4 pounds.

1 dozen in a box.

HOSE COUPLINGS

Hose size, inch	1/2	5/8	3/4	1
List per dozen	3.20	3.20	3.20	5.70
Nozzle size, inch. ...	1/2, 3/4	1/2, 3/4	1/2, 3/4	1
App. wt. doz., lbs. ..	3	3 1/4	3 1/2	4 1/2

Cast Brass.

Half rough finish; corrugated stem; octagon flange; in pairs, one part for water connection and the other part for nozzle.

Open stock.

"PERFECT CLINCHING"

1/2 inch. List per dozen 6.00

3/4 inch. List per dozen 6.00

A self-fastening coupling that does not require extra bands, etc.; wrought brass threaded flanges; brass tubing with beaded ends; galvanized clamping fingers of tough metal; easy to put on, easy to take off; length over all, 2 1/2 inches; average weight per dozen, 2 1/2 pounds.

1 dozen in a box.

HOSE MENDERS

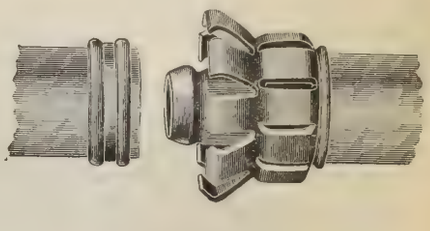
COOPER'S.

Size, inch.	App. wt. doz., ozs.	List per dozen.
1/2	9	2.00
3/4	14	2.00

Brass Tubing.

A practical and effective hose mender; made of thin brass tubing; with spurs to prevent slipping; beaded ends prevent leaking; smooth full water way; length over all, 2 11/16 inches.

3 dozen in a box.



"BULL DOG."

Size, inch.	App. wt. doz., ozs.	List per dozen.
1/2	15	2.00
5/8	18	2.10
3/4	20	2.10

With Ring Guards.

A one piece mender which does the work of the mender tube and two clamps ordinarily used; seamless brass tubing with beaded ends; firmly secured galvanized clamping fingers; two ring guards (with each mender) prevent teeth of mender cutting into the hose; rust-proof.

2 dozen in a box.

HOSE CLAMPS

"SURE GRIP."

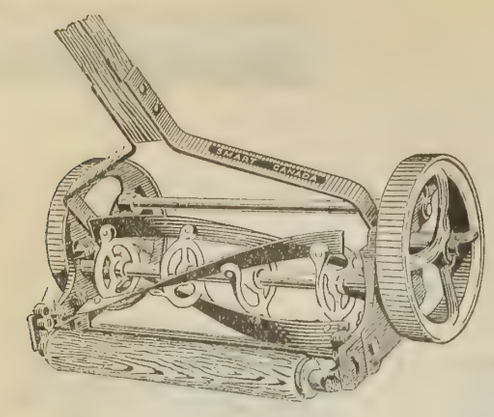
Size (hose) in.	1/2	5/8	3/4	1
List per gross	8.00	8.50	8.50	17.50
App. wt. doz., ozs. ...	7	10	12	15
Dozens in a box	6	6	6	3

Galvanized Steel; 3-Ply.

For water hose; light, strong and easily applied; will not rust or injure the hose; with round head bolt and square nut.

Packed as above.

LAWN MOWERS



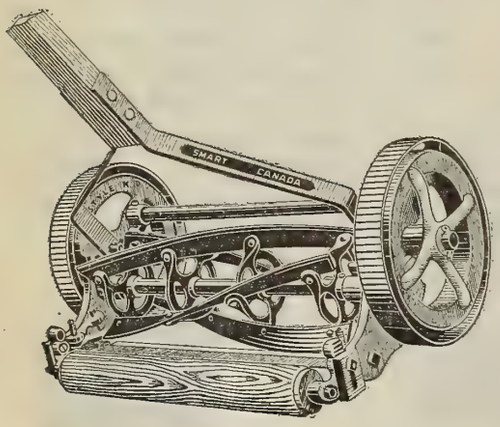
"COMET"

Width of cut, inches	12	14	16
List each	13.70	14.90	16.10
Width over all, inches	17	19	21
Shipping weight each, pounds	37	40	42

Three Blades; 8 inch Open Drive Wheels.

High grade steel knives and stationery knife blade; oil tempered; malleable iron reel braces and adjustable roller brackets; self-locking pawls; malleable iron handle brackets; 36 inch varnished hardwood handle with cross bar secured by plate and bolt; varnished hardwood roller; decorated in green with black tread; durable and easy running.

1 in a crate; handles 12 in a bundle.



"PRINCE"

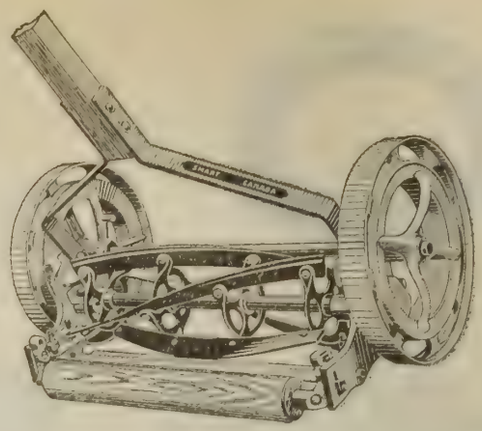
Width of cut, inches	14	16
List each	17.90	19.00
Width over all, inches	19	21
Shipping weight each, pounds	37	42

Four Blades; 9 inch Open Drive Wheels.

Oil tempered, crucible steel knives and stationary blade knife; steel spindle with malleable centres; malleable adjustable roller brackets; self-locking pawls; malleable iron handle brackets; 36 inch varnished hardwood handle with cross bar secured by plate and bolt; varnished hardwood roller; decorated light green and gold; special easy adjustment.

1 in a crate; handles 12 in a bundle.

LAWN MOWERS



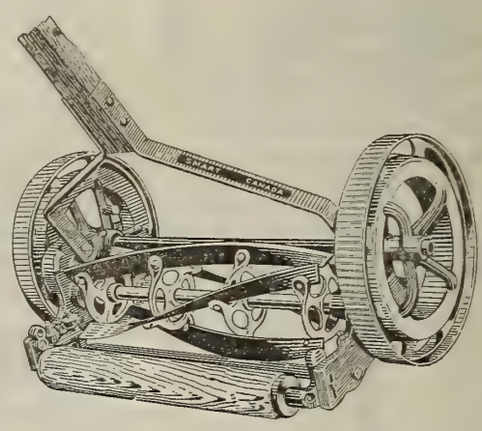
"KING"

Width of cut, inches	14	16	18
List each	19.20	20.40	21.60
Width over all, inches	20 1/2	22 1/2	24 1/2
Shipping weight each, pounds	47	49	52

Four Blades; 10 1/2 inch Open Drive Wheels.

Carefully tempered Sheffield steel knives and stationery blade knife; cold rolled steel shafts; malleable wiper spiders; self-aligning bearings on wiper shaft; malleable iron adjustable roller brackets and handle braces; 36 inch varnished hardwood handle with cross bar secured by plate and bolt; varnished hardwood roller; decorated in aluminum, red and gold; easy adjustment.

1 in a crate; handles 12 in a bundle.



"VICTOR"

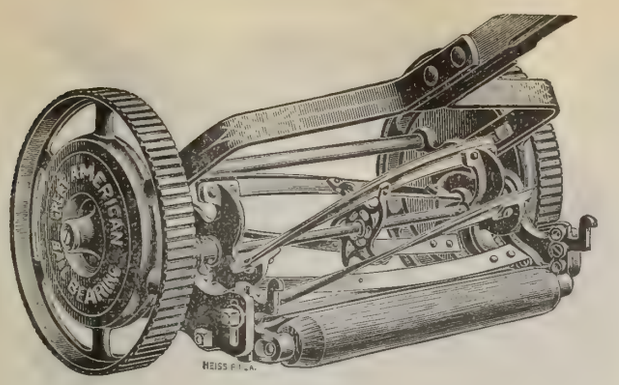
Width of cut, inches	14	16	18
List each	23.50	24.80	25.90
Width over all, inches	21	23	25
Shipping weight each, pounds	47	49	51

Four Blades; 10 1/2 inch Open Drive Wheels; Ball Bearing.

Carefully tempered Sheffield steel knives; crucible steel stationery knife blade; cold rolled steel spindles with malleable wiper spiders; self-locking pawls; special ball bearing cone; malleable iron adjustable roller brackets and handle braces; varnished hardwood roller; 36 inch varnished hardwood handle with cross bar secured by plate and bolt; decorated in light blue and gold; easy adjusting features.

1 in a crate; handles 12 in a bundle.

LAWN MOWERS



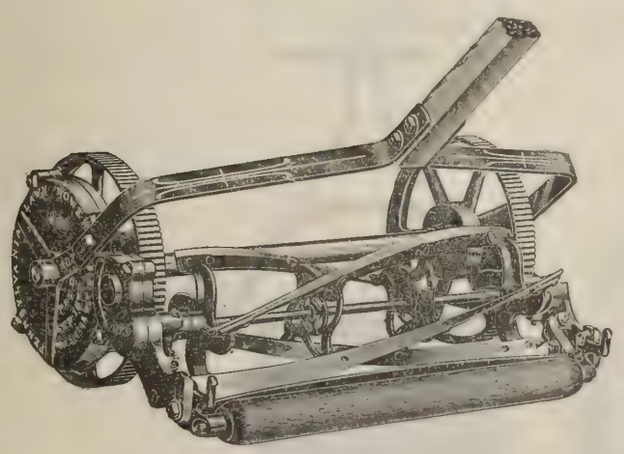
"GREAT AMERICAN"

Width of cut, inches	15	17	19	21
List each	40.00	46.00	51.50	57.00
Width over all, inches	20 3/4	22 3/4	24 3/4	26 3/4
Shipping weight each, pounds	65	67	71	76

Five Blades; 10 inch High Drive Wheels; Ball Bearing.

Crucible tool steel, oil hardened and water tempered blades; double gears, one in each drive wheel; hardened tool steel cone, cups and extra large balls; accurately machined and cast parts; **self-sharpening** bottom knife; adjustable hardwood roller; hardwood handle with iron braces on cross bar; height of cut 1/2 to 1 1/2 inches; will cut grass 6 inches high; handsomely decorated in aluminum and gold; an easy running and durable machine.

1 in a box; handles 6 in a bundle.



"PENNSYLVANIA"

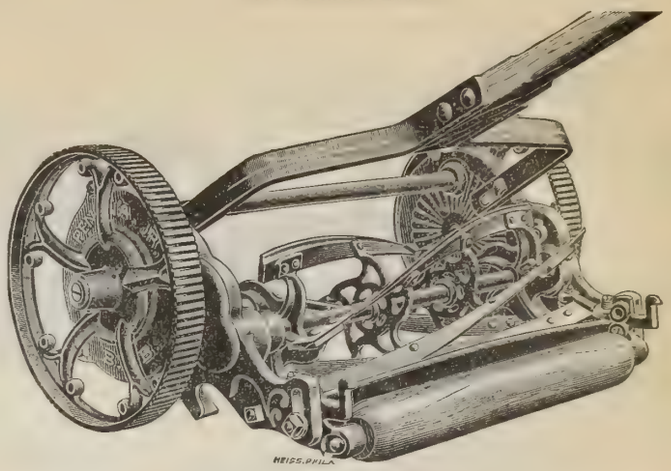
Width of cut, inches	17	19
List each	64.00	70.00
Width over all, inches	24	26
Shipping weight each, pounds	82	85

Four Blades; 10 1/2 inch High Drive Wheels; Plain Bearing.

Extra wide blades of crucible tool steel, oil hardened and water tempered; train of triple gears giving power and speed; extra long wheel base; accurately machined malleable and cast parts; crucible tool steel, flat pattern, **self-sharpening** bottom knife; adjustable hardwood roller; hardwood handle with iron braces on cross bar; height of cut, 5/8 to 1 1/2 inches; will cut grass standing 6 inches high; attractively decorated in green, red and gold.

1 in a box; handles 6 in a bundle.

LAWN MOWERS



"PENNSYLVANIA JUNIOR"

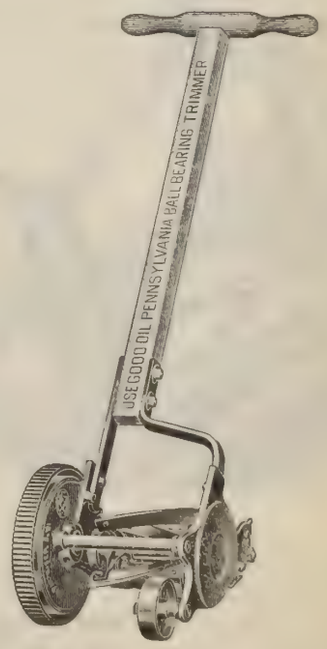
Width of cut, inches	17	19
List each	66.00	72.00
Width over all, inches	24	26
Shipping weight each, pounds	74	77

Five Blades; 10 inch High Drive Wheels; Ball Bearing.

Extra wide blades of crucible tool steel, oil hardened and water tempered; 6 inch cylinder; train of triple gears on each side; extra long wheel base; accurately machined malleable and cast parts; crucible tool steel, raised edge, **self-sharpening** bottom knife; adjustable hardwood roller; hardwood handle with iron braces on cross bar; height of cut—1/4 to 5/16 inch; will cut grass 6 inches high; decorated in green, red and gold; a superior machine in every respect.

1 in a box; handles 6 in a bundle.

LAWN TRIMMERS



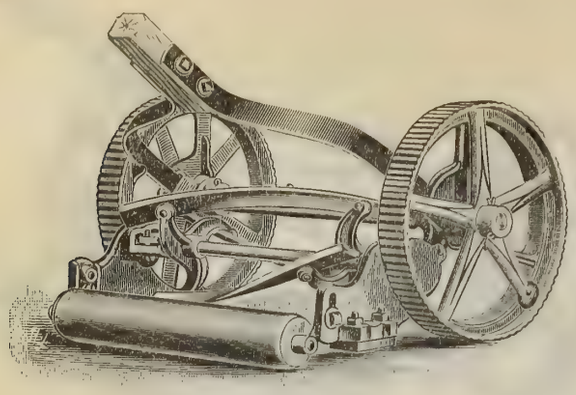
"Pennsylvania." List each 24.50

Four Blades; 8 inch Wheel; Ball Bearing.

A light running, "easy-to-handle" machine; used for cutting grass left at the edge of lawns, etc. Crucible tool steel blades; 5½ inch cylinder; crucible tool steel, **self-sharpening** bottom knife; accurately machined and cast parts; hardened tool steel ball bearings with patented adjustment; adjustable hardwood roller; hardwood handle with cross bar; will cut within 3/8 inch of wall, tree, etc.; width of cut 6 inches, extreme width 9½ inches; shipping weight, 26 pounds.

1 in a box; handles 6 in a bundle.

LAWN MOWERS



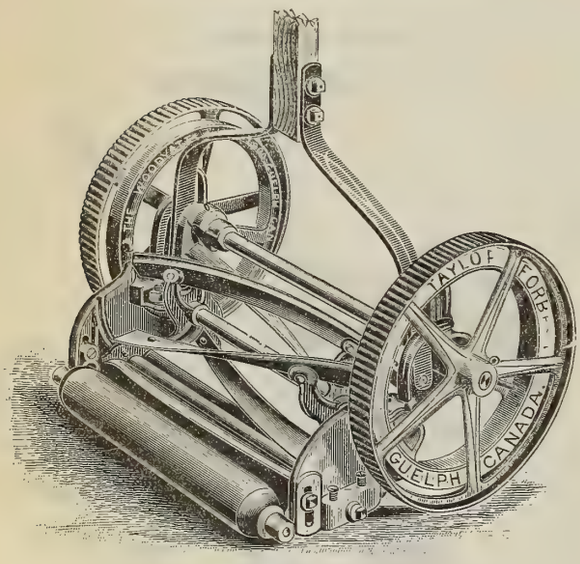
"STAR"

Width of cut, inches	12	14	16
List each	15.52	16.64	17.76
Width over all, inches	17 1/2	19 1/2	21 1/2
Shipping weight each, pounds	36 1/2	38 1/2	40 1/2

Three Blades; 9 inch Open Drive Wheels; Plain Bearing.

Fine blade-steel knives; malleable iron spiders and adjustable roller brackets; special steel pawls; direct drive gears; 5 1/2 inch diameter cylinder; malleable iron handle brackets; varnished hardwood roller; 36 inch hardwood handle with cross bar set in malleable iron bracket and bolted; decorated in green and gold.

1 in a crate; handles 12 in a bundle.



"WOODYATT"

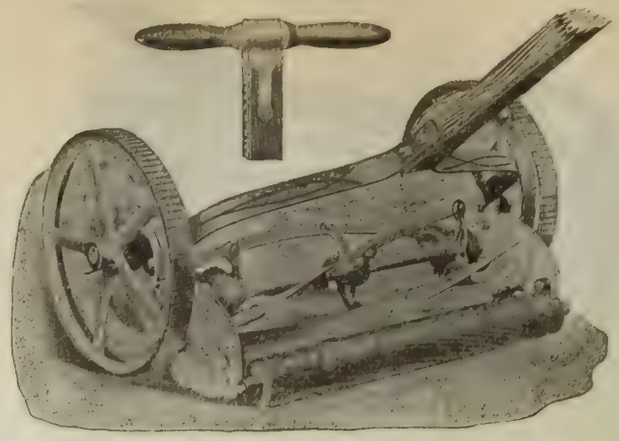
Width of cut, inches	12	14	16	18
List each	18.00	19.20	20.40	21.60
Width over all, inches	17 1/2	19 1/2	21 1/2	23 1/2
Shipping weight each, pounds	44 1/2	46 1/2	48 1/2	49 1/2

Four Blades; 10½ inch Open Drive Wheels; Plain Bearing.

5 1/2 inch diameter cylinder with blades of the best blade steel obtainable; malleable iron spiders; geared at both ends; sliding pin ratchet drive; direct drive gears; special steel pawls; malleable iron adjustable roller brackets and handle brackets; varnished hardwood roller; 36 inch hardwood handle with cross bar set in malleable iron bracket and bolted; decorated in blue, aluminum and red; a well known general service mower.

1 in a crate; handles 12 in a bundle.

LAWN MOWERS



"EMPRESS"

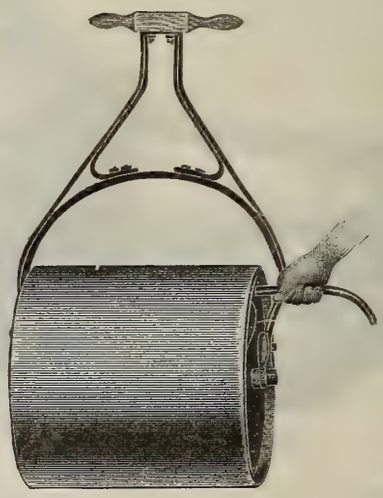
Width of cut, inches	14	16	18
List each	23.52	24.80	25.92
Width over all, inches	19 1/2	21 1/2	23 1/2
Shipping weight each, pounds	46 1/2	48 1/2	49 1/2

Four Blades; 10 1/2 inch Open Drive Wheels; Ball Bearing.

5 1/2 inch diameter cylinder with blades of the best blade steel obtainable; direct drive gears; special steel pawls; steel hardened balls, cups and cones—dust proof; malleable iron adjustable roller brackets and handle braces; varnished hardwood roller; 36 inch hardwood handle with cross bar set in malleable iron bracket and bolted; decorated in white, gold, black and yellow; an efficient and easy running machine.

1 in a crate; handles 12 in a bundle.

LAWN ROLLERS



WATER BALLAST.

No.	Diam., inches.	Length, inches	Wt. empty pounds	Weight filled (lbs.) with: water.	sand.	List each
206	18	24	75	300	500	32.00
207	24	24	125	500	800	42.00
209	24	30	138	630	990	44.00

Roller Bearing; Single Drum.

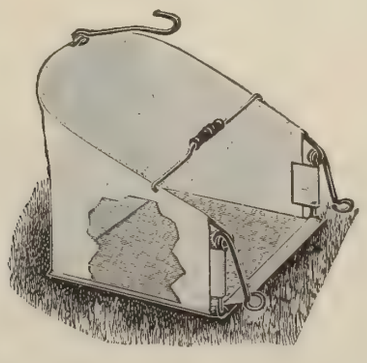
Steel water tight drum with outer edges rounded to prevent cutting the turf; heavy steel axle; high grade steel roller bearings; steel handle frame with securely bolted hardwood grip; drum painted green; handle frame painted red; non-rusting drum plug.

Open stock.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

GRASS CATCHERS



No. 27G. List per dozen 33.60

For 16 to 20 inch Mowers.

Galvanized sheet steel bottom with square back, white heavy duck sides, heavy wire frame, hook and carrying handle with wood grip, 20 inches wide, 16½ inches deep, with hook brackets for attaching to mower; average weight per dozen, 48 pounds.

1 dozen in a box.

NOTE:—This replaces No. 20-G on page 193.

GRASS CATCHERS

"BRAUN."

Width, ins.	15	17	19	21
List each	9.00	9.00	9.50	10.00
App. wt. doz., lbs.	64	67	77	80

For Great American, Pennsylvania and Pennsylvania Junior Mowers

One piece galvanized steel bottom; one piece white canvas sides and back supported by galvanized steel frame and truss; malleable iron galvanized mower attachments; instantly detachable or may be dumped forward; length 20 inches; depth at back, 14 inches.

1 dozen in a bundle.

"BRAUN" GRASS CATCHER LIST

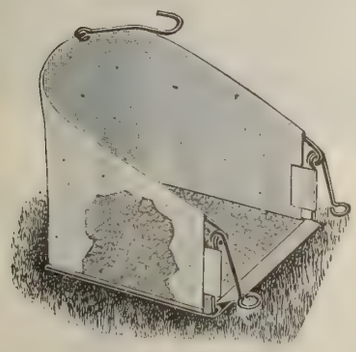
Giving the different mowers these catchers will fit.

15-inch. Gt. American 15 and 17 inch.
Penn. Jr. 15 and 17 inch.

17-inch. Gt. American 17 and 19 inch.
Penn. 17 inch.
Penn. Jr. 17 and 19 inch.

19-inch. Gt. American 19 and 21 inch.
Penn. 19 inch.
Penn. Jr. 19 and 21 inch.

21-inch. Gt. American 21 inch.



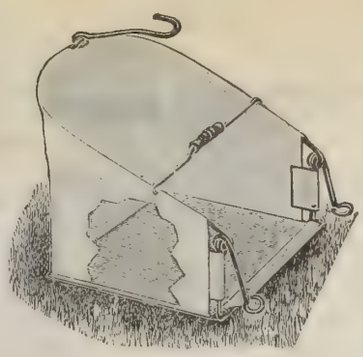
No. 20G. List per dozen 30.00

For 12 to 16 inch Mowers.

Galvanized sheet steel bottom with square back; white heavy duck sides with heavy wire frame and hook; 16 1/2 inches deep; 16 inches wide; with hook brackets for attaching to mower; quickly attached and d tached; average weight per dozen, 33 pounds.

1 dozen in a box.

GRASS CATCHERS



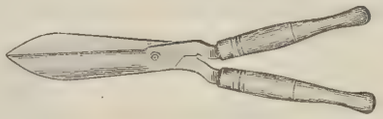
No. 26G. List per dozen 33.60

For 12 to 16 inch Mowers

Galvanized sheet steel bottom with square back; white heavy duck sides; heavy wire frame, hook and carrying handle with wood grip; 16 inches wide; 16 1/2 inches deep; with hook brackets for attaching to mower; quickly attached and detached; average weight per dozen, 40 pounds.

1 dozen in a box.

GARDEN SHEARS
or
Hedge Shears.

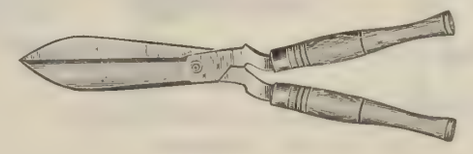


No. 75. List per pair 2.90

6-inch Cut.

Full polished English crucible steel blades carefully tempered, ground and set; off set shanks; steel bolt with spring lock washer and nut; polished steel ferrules; varnished hardwood handles, 9 1/4 inches long; length over all, 19 inches; average weight per pair, 1 1/2 pounds.

Open stock with blades paper wrapped.



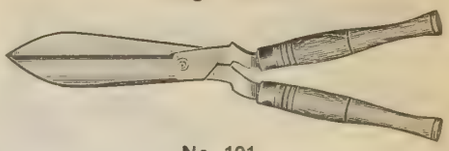
No. 100.

Cut, inches	8	9
List per pair	3.00	3.70
Extreme length, inches	22	23
App. wt. pair, pounds	2 3/4	3

Superior English steel blades, carefully tempered, ground and set; full polished; off set shanks; steel bolt with spring lock washer and nut; heavy polished steel ferrules; varnished hardwood handles, 9 1/2 inches long.

Open stock with blades paper wrapped.

GARDEN SHEARS
or
Hedge Shears



No. 101.

Cut, inches	8	9	10
List per pair	3.60	3.80	4.50
Extreme length, inches	22 1/2	23 1/2	24 1/2
App. wt. pair, lbs.	2 3/4	3	3 1/4

Notched Blade.

Superior English steel blades, carefully tempered, ground and set; full polished; notched to prevent slipping; off set shanks; steel bolt with spring lock washer and nut; heavy polished steel ferrules; varnished hardwood handles, 9 1/2 inches long.

Open stock with blades paper wrapped.

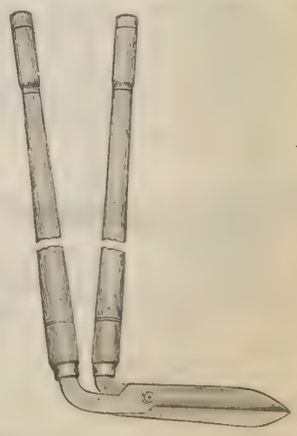
GARDEN SHEARS

No. 106. List per pair 5.80

Surface Trimmers; 8-inch Cut.

9-inch full polished English steel blades, carefully tempered, ground and set; forged shanks; heavy steel bolt with spring lock washer and nut; heavy polished steel ferrules; varnished hardwood handles 35 inches long; average weight per pair, 4 3/4 pounds.

Open stock with blades paper wrapped.



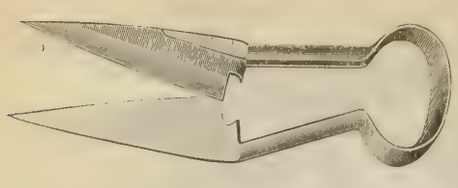
No. 104. List per pair 5.80

Border Trimmers; 8-inch Cut.

9-inch Superior solid English steel blades; carefully tempered, ground and set; full polished; forged shanks; heavy steel bolt with spring lock washer and nut; heavy polished steel ferrules; varnished hardwood handles, 35 inches long; average weight per pair, 5 pounds.

Open stock with blades paper wrapped.

GRASS SHEARS

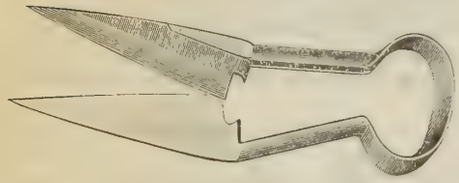


No. 26. List per dozen 7.30

Single Bow; Bent; 5 1/2-inch Cut.

Good grade steel; ground blades; spring tempered bows; natural finish; length over all, 12 1/2 inches; average weight per dozen, 10 pounds.

1/2 dozen in a parcel.



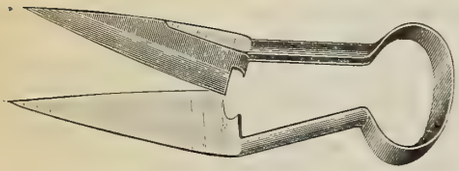
No. 36. List per dozen 10.00

Single Bow; Bent; 6-inch Cut.

Good grade steel; hardened and tempered; spring tempered bows; half polished blades and polished shanks; 13 inches long over all; average weight per dozen, 11 pounds.

1/2 dozen in a box.

SHEEP SHEARS
or
Grass Shears

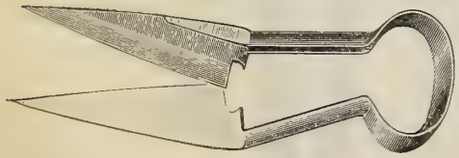


No. 5G. List per dozen 21.00

Single Bow; Bent; 6-in. Cut.

One-piece fine cast steel, carefully ground, tempered and set; spring tempered bow; bent pattern; half polished; length over all, 12 1/2 inches; average weight per dozen, 8 pounds.

1/2 dozen in a parcel.



No. K20.

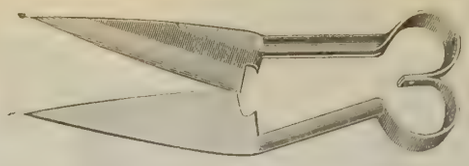
Cut, inches	5 1/2	6
List per dozen	24.00	25.00
Extreme length, inches	12 1/2	13
App. wt. dozen, pounds	8 1/4	9

Single Bow; Bent.

One-piece best English steel, carefully ground, tempered and set; spring tempered bow; bent pattern; full polished blades, shanks and bow top.

1/2 dozen in a parcel.

SHEEP SHEARS
or
Grass Shears

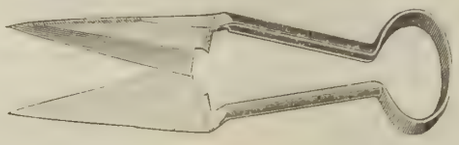


No. K22. List per dozen 30.00

Double Bow; Bent; 6-in. Cut.

Each blade and shank forged from one-piece high grade steel; carefully tempered ground and set; natural finish, spring tempered, rivetted bow; bent pattern; full polished blades and shanks; length over all, 12 inches; average weight per dozen, 9 pounds.

1/2 dozen in a parcel.



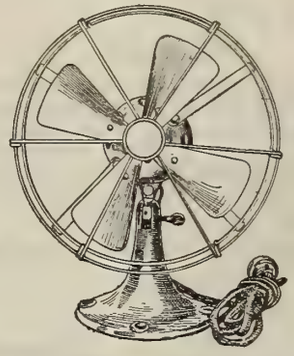
No. 4. List per dozen 42.00

Single Bow; Trowel Shank; 5-in. Cut.

One-piece fine cast steel, carefully tempered, ground and set; spring tempered bow; trowel shanks; narrow swaged blades; full polished blades, shanks and bow head; length over all, 12 inches; average weight per dozen, 9 1/2 pounds.

1/2 dozen in a parcel.

ELECTRIC FANS



"Star." List each 21.00

110 Volts.

For Alternating or Direct Current.

8 inch; 4 Blades.

Full Nickel Plated.

Durable and efficient motor with bronze bearings, self-aligning automatic lubrication, enclosed in drawn steel housing 3 1/2 inches diameter; four point switch in base giving three running speeds; rigidly supported wire guard; heavy cast base (5 1/2 inches diameter) with four holes and rubber eyelets; hinged joint permitting any position desired; adapted for wall bracket or desk use; 12 1/2 inches high, 9 inches wide; complete with 6 1/2 foot length of cord and two-piece plug; average weight each, 6 1/2 pounds.

1 in a box.

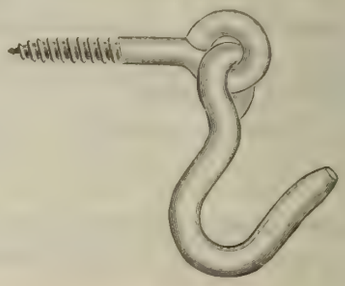
HAMMOCK HOOKS

No. 119. See page 45 for price.

Wrought Steel; Galvanized.

One-piece "V" plate 1 7/8 x 1 3/4 inches; 5/16-inch hook, 3 1/4 inches long; takes four No. 9 R.H. screws; average weight per dozen, 3 pounds; without screws.

1 dozen in a box.



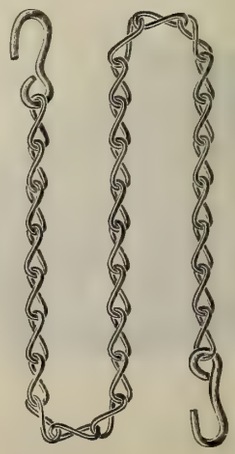
No. 149. See page 45 for price.

Wrought Steel; Galvanized.

To screw; hook 5/16 x 3 1/4 inches long; screw eye 5/16 x 3 3/4 inches; average weight per dozen, 3 1/2 pounds.

1 dozen in a box.

HAMMOCK CHAINS



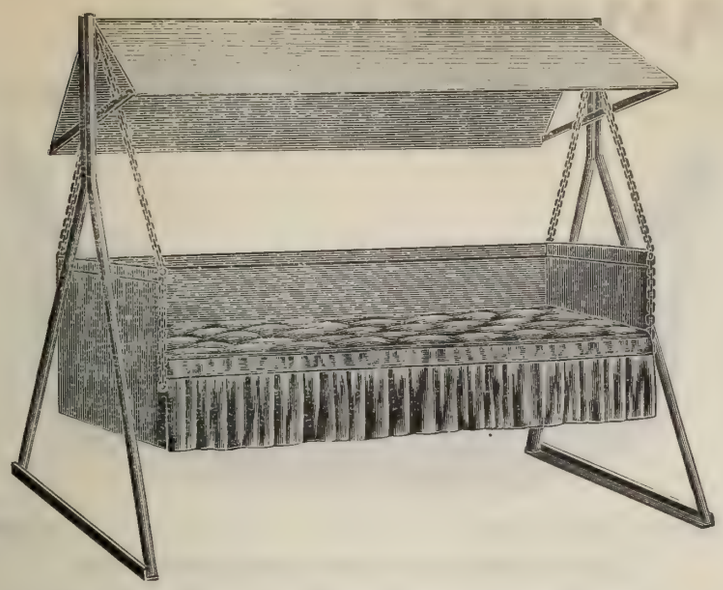
No. 2/0. List per pair ..... .60

3-feet; X.C. Tinned.

Electric welded twisted links of No. 10 wire; heavy hook (No. 1 gauge) at each end; strong and durable; average weight per pair, 1 1/2 pounds.

1 pair in a box.

COUCH HAMMOCKS



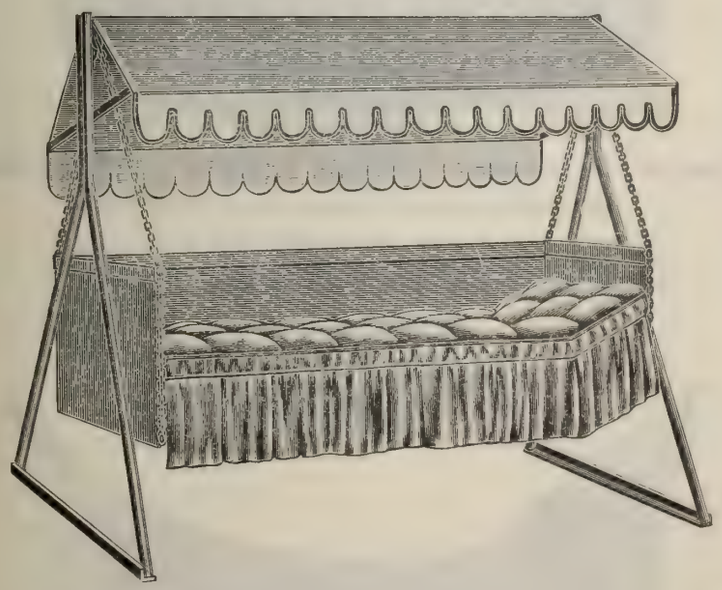
No. 7 Stand. List each 8.50
No. 8 Canopy (plain). List each 9.70
No. 20 Couch only (with chains). List each 26.50
No. 20 Complete. List each 43.70

A high grade hammock couch at a reasonable price.

COUCH:—27 inches wide, 6 feet long; well padded mattress with valance; height of back and ends 20 inches; fitted with indestructible patented link fabric spring; seats four comfortably; finished in good quality khaki duck; shipping weight, 55 pounds.

STAND:—1 1/4 inch angle uprights; 1 1/4 inch tubes; height over all 70 inches; width of base 47 inches; length at base 7 feet 6 inches; shipping weight 45 pounds.

CANOPY:—Plain top; of good quality khaki duck.



No. 7 Stand. List each 8.50
No. 9 Canopy (scalloped). List each 11.00
No. 21 Couch only (with chains). List each 36.00
No. 21 Complete. List each 52.50

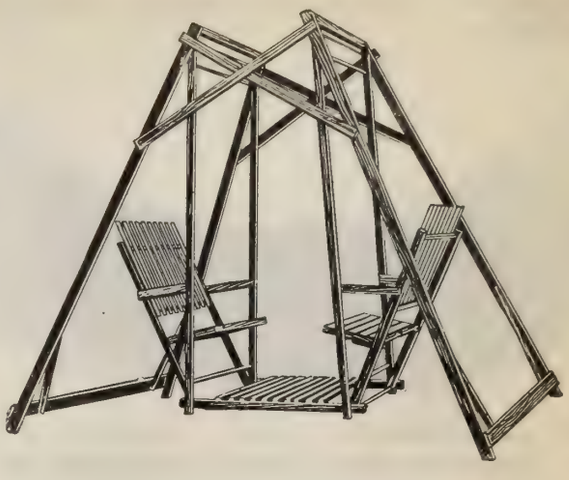
An attractive couch hammock that will give good service.

COUCH:—27 inches wide, 6 feet long; roll edge mattress with adjustable head rest, has a soft cotton filling and valance; height of back and ends 20 inches; fitted with indestructible patented link fabric spring; finished with long wearing khaki duck; seats four comfortably; shipping weight, 60 pounds.

STAND:—1 1/4 inch angle uprights; 1 1/4 inch tubes; height over all, 70 inches; width of base 47 inches; length at base 7 feet 6 inches; shipping weight, 45 pounds.

CANOPY:—Scalloped top of good quality khaki duck.

LAWN SWINGS



4-Passenger. List each 14.50

Well made of thoroughly seasoned yellow pine; securely bolted together; frame is painted bright red with remainder finished natural; seats and backs are adjustable; foot board can be placed on a level with the seats, forming a bed.

Size:—8 feet high; ground space 9 x 5 feet; size of seat 11 x 28 inches; height of back 22 1/2 inches; average weight each, 160 pounds.

1 in a crate (semi-assembled).

LAWN SEATS

Folding. List per dozen 38.40

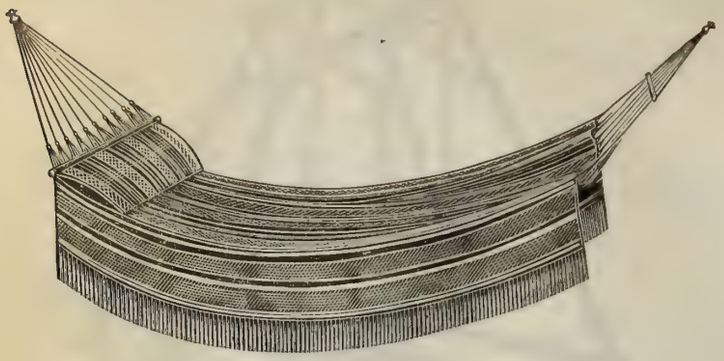
40-inches Long.

Strongly made of well-seasoned hardwood; 1 1/4 x 5/8 inch rounded edge varnished slats, securely fastened with screws for seat and back (2-inch top rail) 1 3/4 x 7/8 inch red painted frame; shaped seat 12 inches wide, 18 inches from ground; sloping back 17 1/2 inches high; height over all 34 inches; can be folded when not in use; shipping weight, 168 pounds per dozen.

Open stock.

SAMSON HAMMOCKS

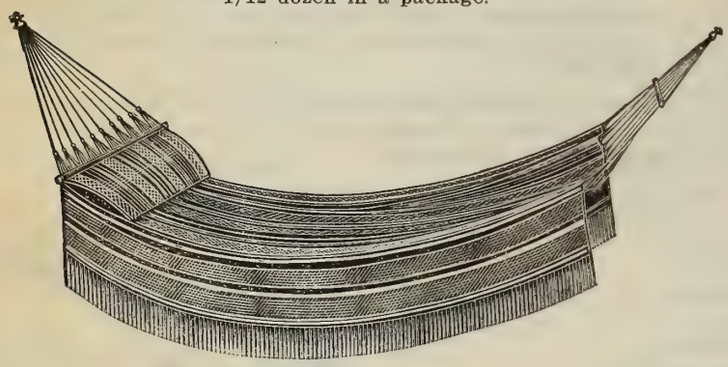
PLEASE NOTE:—Hammocks are subject to change both in colors and pattern each season. It is however, the intention to retain the same numbers.



No. 200. List per dozen 55.20
Predominating Colors:—Green, Yellow, Black, Red.

No. 201. List per dozen 55.20
Predominating Colors:—Wine, Yellow, Black, Red.

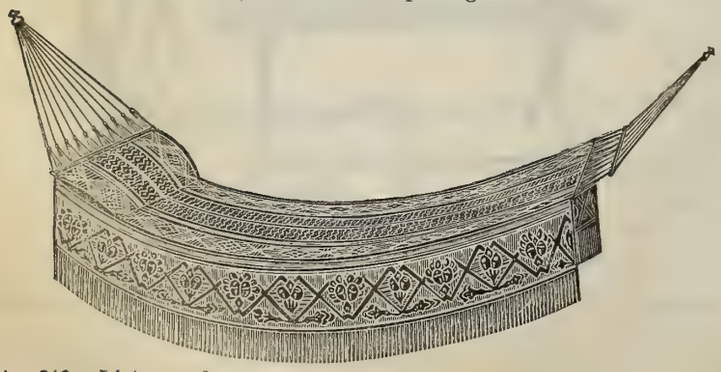
Twill weave; striped pattern; size of woven part 35 x 76 inches; concealed head spreader; with pillow and valance; cross bar at foot; average weight each, 3 1/4 pounds.
1/12 dozen in a package.



No. 205. List per dozen 62.40
Predominating Colors:—White, Wine, Black.

No. 206. List per dozen 62.40
Predominating Colors:—Brown, Green, White, Black.

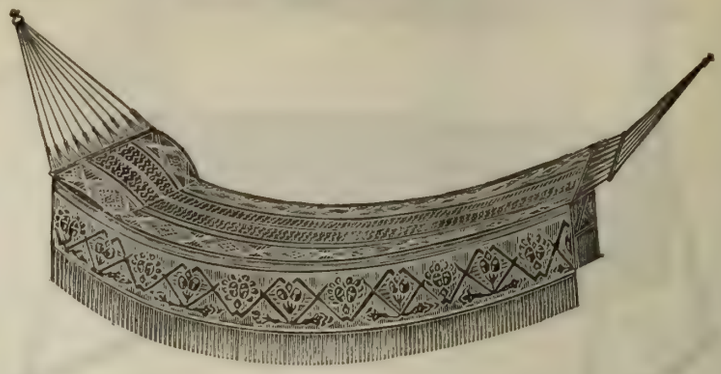
Canvas Awning stripe weave; size of woven part 34 x 76 inches; concealed head spreader; with pillow and valance; cross bar at foot; average weight each, 3 1/2 pounds.
1/12 dozen in a package.



No. 210. List per dozen 64.80
Predominating Colors:—Brown, Black, Green, Red.

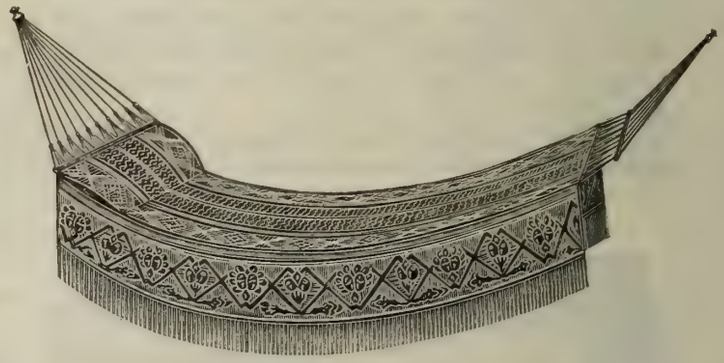
No. 211. List per dozen 64.80
Predominating Colors:—Red, Black, Green, White.

Jacquard weave; size of woven parts 35 x 78 inches; concealed head spreader; with pillow and valance; cross bar at foot; average weight each, 3 5/8 pounds.
1/12 dozen in a package.



No. 215. List per dozen 80.40
Predominating Colors:—Red, Black, Green White.

Heavy Jacquard weave; size of woven part 38 x 80 inches; concealed head spreader; with pillow and wide valance; cross bar at foot; average weight each, 4 pounds.
1/12 dozen in a package.



No. 216. List per dozen 80.40
Predominating Colors:—Cream, Brown, White, Green.

Heavy Jacquard weave; size of woven part 38 x 80 inches; concealed head spreader; with pillow; wide valance; cross bar at foot; average weight each, 4 pounds.
1/12 dozen in a package.

No. 220. List per dozen 92.40
Predominating Colors:—Gold, Green, Black, White.

Heavy Jacquard weave, of the best 3-ply well twisted yarn; large oriental pattern; size of woven part 36 x 80 inches; concealed head spreader; throw-back pillow; wide valance; cross-bar at foot; average weight each, 4 1/2 pounds.
1/12 dozen in a package.

SAMSON HAMMOCKS

PLEASE NOTE:—Hammocks are subject to change both in colors and pattern each season. It is however, the intention to retain the same numbers.

No. 221. List per dozen 92.40

Predominating colors:—Green, Brown, Black, White.

Heavy Jacquard weave, of the best 3-ply well twisted yarn; large oriental pattern; size of woven part 36 x 80 inches; concealed head spreader; throw-back pillow; wide valance; cross bar at foot; average weight each, 4 1/2 lbs.

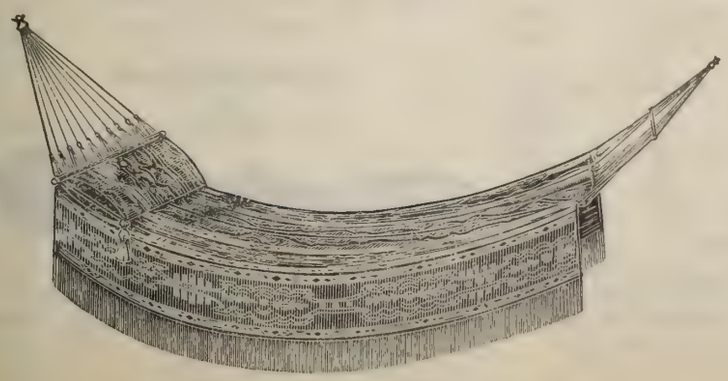
1/12 dozen in a package.

No. 230. List per dozen 98.40

Predominating colors:—Green, Cream, Red, Gold.

Duplex Tapestry weave; wreath design; size of woven part 38 x 80 inches; concealed head spreader; throw-back pillow; wide valance; cross-bar at foot; average weight each, 3 1/2 pounds.

1/12 dozen in a package



No. 235. List per dozen 98.40

Predominating colors:—Grey, Red, Black. Green, Brown.

Duplex Tapestry weave; size of woven part 38 x 80 inches; concealed head spreader; throw-back pillow; wide valance; cross-bar at foot; average weight each, 3 1/2 pounds.

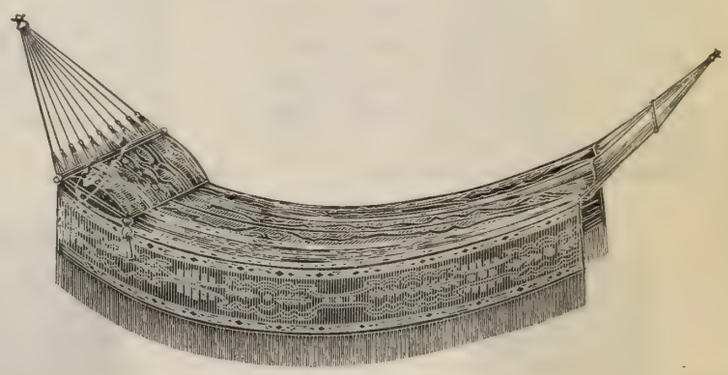
1/12 dozen in a package.

No. 240. List per dozen 114.00

Predominating colors:—Yellow, Black, Green, White.

Tapestry weave; size of woven part 40 x 80 inches; concealed head spreader; throw-back pillow; wide valance; cross-bar at foot; average weight each, 5 1/2 pounds.

1/12 dozen in a package.

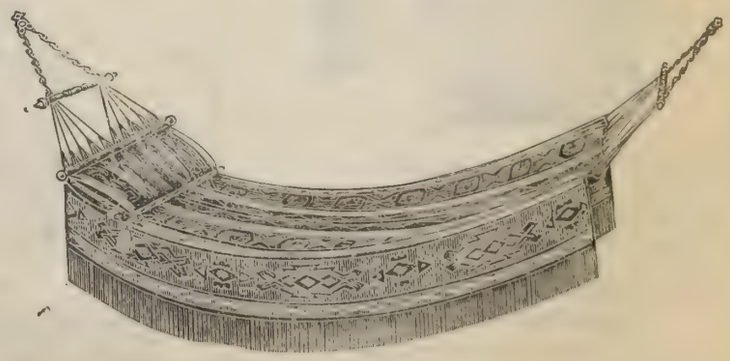


No. 250. List per dozen 129.60

Predominating colors:—Brown, Green, Black, Cream.

Very Heavy Jacquard weave; size of woven part 40 x 80 inches; concealed head spreader; large upholstered throw-back pillow; wide valance; cross bar at foot; average weight each, 6 pounds.

1/12 dozen in a package.



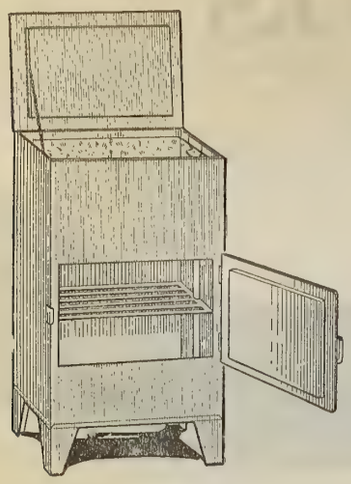
No. 260. List per dozen 180.00

Predominating colors:—Green, Brown, Black, White.

Heavy French Tapestry weave; size of woven part 40 x 85 inches; exposed head spreader with round knobs; large upholstered and tufted throw-back pillow; wide valance; cross-bar at foot; tinned chains with malleable iron hanging loops at both ends; average weight each, 8 pounds.

1/12 dozen in a package.

REFRIGERATORS



"FROST KING"

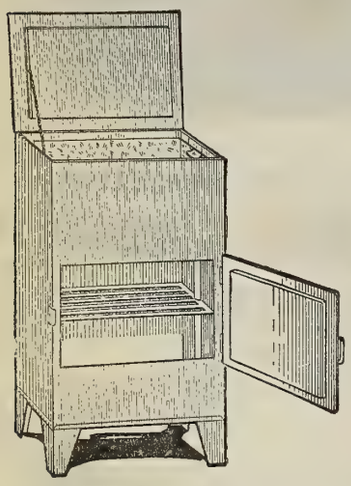
No. 10. List each 13.50
Enamelled outside.

No. 110. List each 15.50
Enamelled inside and outside.

Single Wall; All Metal.

Strongly made of galvanized sheet metal; all parts bolted together; removable, galvanized sheet metal grill shelf; door is hinged on the side with stout hinges; no wood or other absorbent materials used; double coated pearl grey enamel finish. **Size**—35 1/2 inches high, 20 1/2 inches wide, 14 inches deep over all; average shipping weight 50 pounds each.

Crating $1.00 each list extra.



"FROST KING"

No. 11. List each 21.50
Enamelled outside.

No. 111. List each 24.50
Enamelled inside and outside.

Double Wall; All Metal.

Strongly made of galvanized sheet metal; double walls, 1 inch apart; all parts bolted together; removable, galvanized sheet metal grill shelf; door is hinged on the side with stout hinges; no wood or other absorbent materials used; double coated pearl grey enamel finish.
Size—41 inches high, 21 1/2 inches wide, 15 1/2 inches deep over all; average shipping weight 86 pounds each.

Crating $1.50 each list extra.

ICE CREAM FREEZERS

NEW STANDARD.

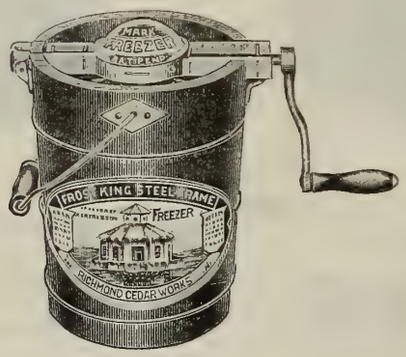
No. 500. List each 3.00

2-quart size.

All Steel; Twin Spiral Motion.

Will make smooth velvety ice cream in short time with very little energy; heavy galvanized iron flaring pail; patented flat bridge and gear box housing the gearing, all in one frame; heavily retinned can; tinned spiral dasher with staggered openings; heavy gauge crank with wired grip; removable table clamp; in operating, the can and dasher move in opposite directions; average weight each, 6 pounds.

6 in a carton.



"FROST KING"

Size	Tub size, inches.	App. wt. each, lbs.	List each
1-quart	7½x 9¼	7	5.70
2-quart	11¼x 9¼	10	6.70
3-quart	13½x 9¾	12	8.50
4-quart	16 x10½	15	9.70
6-quart	17¼x12	19	12.50
8-quart	18¾x13½	27	16.00
10-quart	20½x15	30	21.00

One Motion.

Will freeze cream in 4 minutes; green painted selected cedar tub bound with galvanized wire hoops; galvanized stamped steel frame, catches and yoke locks; simply constructed galvanized gears; extra heavy, revolving tin can with tinned cast iron top and bottom; heavily tinned malleable iron stationary dasher with two rows of leaves and two hinged hardwood scrapers; galvanized crank with wood grip; heavy wire carrying bail with wood handle; each freezer covered with heavy tough black paper.

Open stock.

ICE TONGS

No.	Opens, Ins.	Length, Ins.	App. wt. each, lbs.	List Dozen.
1	14 1/2	15	2 1/2	31.20
2	17	16	3	36.00
4	24	21	5 1/2	49.20

Standard

Made of tough steel; diamond shape hardened upset points; round handles; black painted; size of steel:—Nos. 1 and 2, 3/4 x 5/16, No. 3, 3/4 x 3/8 inch.

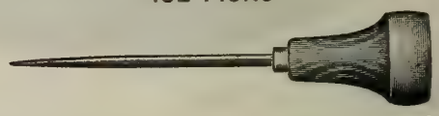
Open stock.

ICE CHIPPERS

No. 50. List per dozen 7.50
Heavily tinned cast shank and head; six hardened and tempered polished steel needle points 1 1/8 inches long; polished steel ferrule; waxed hardwood handle 5 inches long; length over all 9 inches, width 2 5/8 inches; average weight per dozen, 5 pounds.

Each in a carton.
1 dozen in a box.

ICE PICKS



No. 92B. List per dozen 4.50

Iron Capped Head.

Tempered steel, long taper needle point spike 5/32 inch diameter, 6 inches long; polished stamped steel ferrule; stained hardwood handle fitted with heavy malleable iron tinned cap held by screw; length over all 9 1/2 inches; average weight per dozen, 4 1/4 pounds.

1 dozen in a box.

ICE CREAM SCOOPS or Dishers

"FISHER"

Size	24	20	12
List dozen	33.60	33.60	33.60
No. in quart	24	20	12
Diam., inches	2	2 3/16	2 1/2
Depth, inches	1 1/8	1 1/4	1 3/8
App. wt. doz., lbs.	7	7 1/4	8

Round Shape Cup

All metal parts made of nickel silver, very highly polished; polished hardwood handle 4 1/2 inches long secured by round head bolt; spring lever; blade removable for cleaning.

1/12 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

ICE TONGS

No.	Opens, ins	Length ins.	App. wt. each, lbs.	List per dozen.
1D	12	13½	12	14.40
3D	18	18	30	22.80

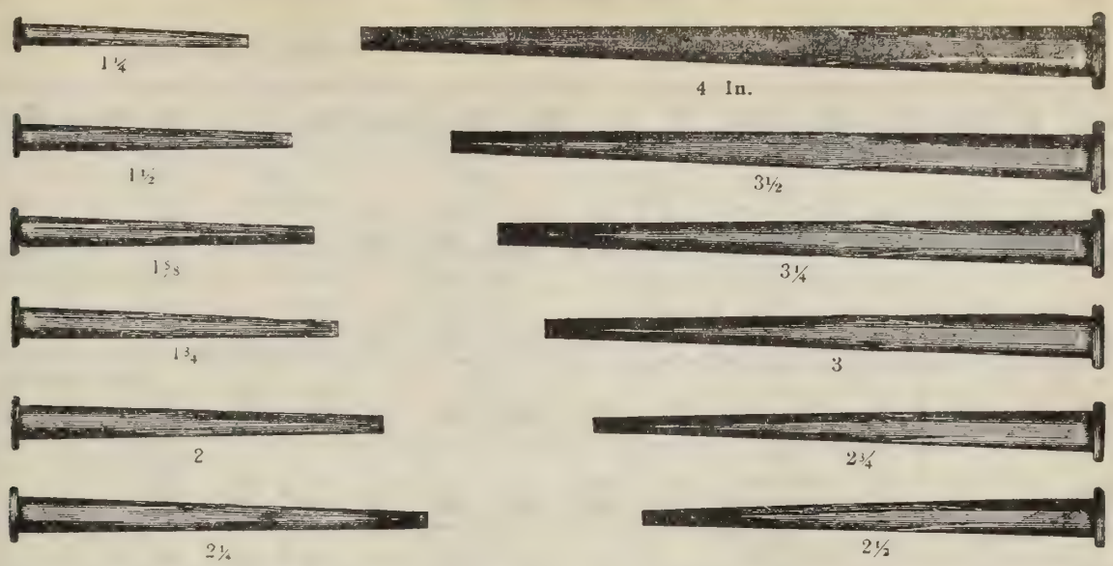
Double Acting.

Made of tough flat steel; diamond shaped hardened upset points; riveted double acting shoulder; round handles; all natural finish; size of steel:—No. 1D, 1/2 x 1/4 inch. No. 3D, 3/4 x 1/4 inch.

Open stock.

CUT NAILS

PLEASE NOTE:—The advances over base are NET, not subject to discount.



COMMON CUT NAILS

Base Price per keg (100 lbs.) ..... Market

Stock sizes are as follows:—

Length, inches	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3	3 1/2	4	4 1/2	5	6
NET advance over base per keg	1.15	.80	.75	.60	.55	.30	.20	.10	.05	.05	base	base
Size, P'wt.	3d	4d	5d	6d	7d	8d	10d	16d	20d	30d	40d	60d
App. number in pound	550	350	330	180	140	100	65	40	31	22	18	12

In kegs of 100 pounds.

LARGE HEAD

1 1/2 inch. NET advance over base per keg ..... .80

In kegs of 100 pounds.

Exact size cut of 2 1/2 inch.

LIGHT CUT CLINCH NAILS

Stock sizes are as follows:—

Length, inches	2	2 1/4	2 1/2	2 3/4	3
NET advance over base, 100 lbs.	2.15	2.15	2.00	2.00	1.85
App. number in pound	140	88	80	69	56

In boxes of 50 pounds.

CUT NAIL LIST

SCHEDULE OF EXTRAS OVER BASE

Effective September 27th, 1920. **Reprinted May, 1922.**

In kegs of 100 pounds.

Length, in inches	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	4	4 1/2	5	5 1/2	6
Common			1.50	1.40	1.15	.80	.75	.60	.55	.30	.30	.20	.15	.10	.05	.05	Base	Base	Base
Fine Blued			2.50		2.15														
Casing and Flooring					1.65	1.30	1.25	.85	.80	.65	.65	.60	.60	.60	.55	.55			
Finishing			2.50		2.15	1.80	1.75	1.60	1.55	1.30	1.30	1.20	1.15	1.10	1.05				
Slating			1.75		1.40	1.15	1.10	.95											
Clapboard								.85	.80	.65									
Common Barrel	3.00	.275	2.25	2.15															
Clinch			3.50		3.00	2.35	2.35	2.15	2.15	2.00	2.00	1.85	1.85	1.85					
Sharp and Flat Pressed			4.00		3.50	2.85	2.85	2.65	2.65	2.50	2.50	2,35	2.35	2.35					

Above Extras are per 100 lbs. over Base.

Extras covering **Clinch Nails and Sharp and Flat Pressed Nails** includes packing in 50 lb. boxes, which is Standard stock package for these nails.

All other patterns above packed in 100 lb. kegs.

STANDARD WIRE NAIL LIST

Effective Sept. 10th, 1920. IN KEGS (100 lbs.) Reprinted May, 1922.

PLEASE NOTE:—The advances over base are NET, not subject to discount.

Length in inches....	1	1⅛	1¼	1½	1¾	2	2¼	2½	2¾	3	3¼	3½	4	4½	5	5½	6
COMMON																	
Standard Gauge	15	15	14	13	12	12	11	10	10	9	9	7	6	5	4	3	2
EXTRA OVER BASE	1.50	1.40	1.15	.80	.75	.60	.55	.30	.30	.20	.15	.10	.05	.05	Base	Base	Base
MOULDING																	
Standard Gauge.	16	16	15	14	13	12	12	11	11	10	9	8	7				
Extra over Base	1.75	1.65	1.40	1.05	1.00	.85	.80	.55	.55	.45	.40	.35	.30				
FINISHING																	
Standard Gauge	17	17	16	15	14	13	13	12	12	11	11	10	9				
Extra over Base	2.00	2.00	1.65	1.30	1.25	1.10	1.05	.80	.80	.70	.65	.60	.55				
CASING																	
Standard Gauge.	17	17	16	15	14	13	13	12	12	11	11	10	9				
Extra over Base	2.00	2.00	1.65	1.30	1.25	1.10	1.05	.80	.80	.70	.65	.60	.55				
FLOORING																	
Standard Gauge.						11	11	10	10	9	9	8	7				
Extra over Base						.85	.80	.55	.55	.45	.40	.35	.30				
CLINCH																	
Standard Gauge.	14		14	13	13	12	12	11	10	9							
Extra over Base	1.75		1.40	1.15	1.15	1.05	1.05	.90	.90	.85							
BOX																	
Standard Gauge.	16	16	15	14	14	13	13	12	11	11		10	9	9	8	6	4
Extra over Base	1.75	1.60	1.40	1.05	1.00	.85	.80	.55	.55	45		.35	.30	.30	.26	.25	25
LIGHT CAR																	
Standard Gauge.				12	10	10	9	9	8	8	7	7	6	6	5	4	4
Extra over Base				.95	.75	.70	.60	.50	.50	.45	.40	35	.05	.30	.25	.25	.25
HEAVY CAR																	
Standard Gauge.				10	9	9	8	8	7	7	6	6	5	5	4	3	3
Extra over Base				.80	.70	.65	.60	.50	.50	.45	.35	.35	.30	.05	Base	Base	.25
SIDING OR CLAPBOARD																	
Standard Gauge.					12	12	12	11									
Extra over Base					1.00	.85	.80	.55									
COMMON SPIKE	S, Fla	t Hea	d, Dia	mond	Pt.	(Leng	ths 7	to 12",	see no	te belo	w).						
Standard Gauge.													3	3	2	2	1
Extra over Base													.20	.20	.15	.15	.15
HINGE NAILS,	Diam	ond P	t. & C	s. Hea	d.												
Standard Gauge.				6		3,4 or6		3,4 or6		3 or 4	3 or 4	3 or 4	3 or 4				
Extra over Base				1.40		1.30		1.15		1.10	1.10	1.10	1.05				
BARREL or BRO	OM																
Standard Gauge.	14	14	14	13		(For	other	sizes,	see Lis	t of Sp	ecials).						
Extra over Base	1.75	1.65	1.40	1.05													
SLATING																	
Standard Gauge.	12	12	11	11	10	10											
Extra over Base	1.45	1 35	1 20	1.10	1.00	.90											
ROOFING																	
Standard Gauge.	12	12	11	11	10	10		(For	other	sizes,	see Lis	t of Sp	ecials).				
Extra over Base	1.20	1.10	95	.80	.75	.65											
SASH PINS																	
Standard Gauge.	8	8	8	8				(For	other	sizes,	see Lis	t of Sp	ecials).				
Extra over Base	2 00	2.00	1 75	1.50													

Common Wire Nails or Spikes

7 x 1.....
8 x 0.....
9 x 0.....
10 x 00.....
12 x 00.....
} 25c. per 100 lbs. over base.

Eavetrough Spikes

5 inch and longer x 3, 4 and 5 gauge—over same length common wire nails..... } Flat head, **50c.** per 100 lbs. Oval or round head. **75c.** per 100 lbs.

H. S. HOWLAND, SONS & CO., LIMITED WHOLESALE HARDWARE, TORONTO, CANADA.

STANDARD WIRE NAIL LIST (Continued)

NET EXTRAS FOR SPECIAL WIRE NAILS AND SPECIAL GAUGES

(Not on Standard List)

Special Wire Nails

Extras over Base

Barrel or Broom Nails

¾ x 15	$2.50
⅞ x 14	2.25
1⅜ x 13	1.25

Roofing Nails

¾ x 13	1.55
⅞ x 12	1.30
1⅜ x 11	.90

Lath & Fine Nails

1 x 16	1.75
1 x 17	2.25
1⅛ x 16	1.60
1⅛ x 17	2.10

Shingle Nails

1¼ x 13	$1.40
1¼ x 14	1.15
1½ x 12	1.05
1¾ x 12	.75
2 x 12	.60

Berry Box Nails

¾ x 16	$2.15
¾ x 17	2.45
⅞ x 16	2.00
⅞ x 17	2.30
1 x 16	1.90
1 x 17	2.40
1⅛ x 16	1.75
1⅛ x 17	2.25
1¼ x 16	1.75
1¼ x 17	2.05

Sash or Dowel Pins

¾ x 8	$2.50
⅞ x 8	2.25
1⅜ x 8	1.75

Special Gauge Wire Nails

Additional extras applying to F.H. Common wire nails only, in quantities of not less than 100 lbs. To be added to extras shown for Standard wire nails of the same length.

1 & 1⅛ x 12—13—14 1¼ x 11—12—13 1½ x 11—12—14 1¾ x 10—11—13—14 2 x 10—11—13 2¼ x 9—10—12—13 2½ x 8— 9—11—12 2¾ x 8— 9—11 3 x 6— 7— 8—10—11 3½ x 5— 6— 8— 9—10 4 x 4— 5— 7— 8— 9 4½ x 4— 6— 7— 8— 9 5 x 3— 5— 6— 7— 8 5½ x 4— 6 6 x 3— 4	25c. per 100 lbs. over same length standard.
1¾ x 15— 2 x 14 2½ x 15— 2¾ x 12	75c. per 100 lbs. over same length standard.

(Quantities less than 100 lbs. charged on Miscellaneous List.)

Other Extras Net

Barbing	.25 per 100 lbs.	Special Points	.25 per 100 lbs.
Annealing	.25 "	Blued or Coated	.50 "
Special Heads	.25 "	Packing in 25 and 50 lb. boxes	1.00 "

Extras for Galvanized, Tinned, Coppered and Brass Plated Nails—Quoted upon application.

Note.—All extras are per 100 lbs. over base.

Base price on application.

All other sizes and gauges charged on Miscellaneous List.

MISCELLANEOUS WIRE NAILS LIST

Applying to All Nails Not Shown Elsewhere. **PRICE PER POUND**

Length in inches..	¼	⅜	½	⅝	¾	⅞	1	1⅛	1¼ & 1⅜	1½	1¾	2 & 2¼	2½ & 2¾	3 & 3¼	3½ & 4
Gauge 3	Figures shown in heavy type indicate best selling sizes. Nails heavier than listed at special net prices according to quantity. Nails half gauge take list price of same length in next finer gauge.														$ .25
4														$ .25	.25
5												$ .27	$ .26	.25	.25
6										$ .29	$ .28	.27	.26	.25	.25
7									$ .29	.29	.28	.27	.26	.25	.25
8							$ .30	$ .30	.29	.29	.28	.27	26	.25	.25
9						$ .33	.30	.30	.29	.29	.28	.27	.26	.25	.25
10					$ .36	.33	.30	.30	.29	.29	.28	.27	.26	.25	.25
11					.36	.33	.30	.30	.29	.29	.28	.28	.27	.26	.26
12					.36	.33	.30	.30	29	.29	.28	.28	.27	.27	
13					.38	.34	.31	.31	.30	.29	.28	.28	.28		
14				$ .43	.38	.35	.32	.32	.31	.30	.29	.29			
15				.45	.42	.36	.33	.32	.32	.31	.30				
16			$ .55	.50	.43	.39	.36	.35	.34	33					
17			.60	.52	.46	.43	.40	.40	.39						
18		$ .80	.65	.58	.52	.45	.43	.43							
19	$1.00	.90	.75	.65	.60										
20	1.25	1.00	.85	.75	.70										
21	1.55	1.25													

Discounts on application.

Other Extras Net

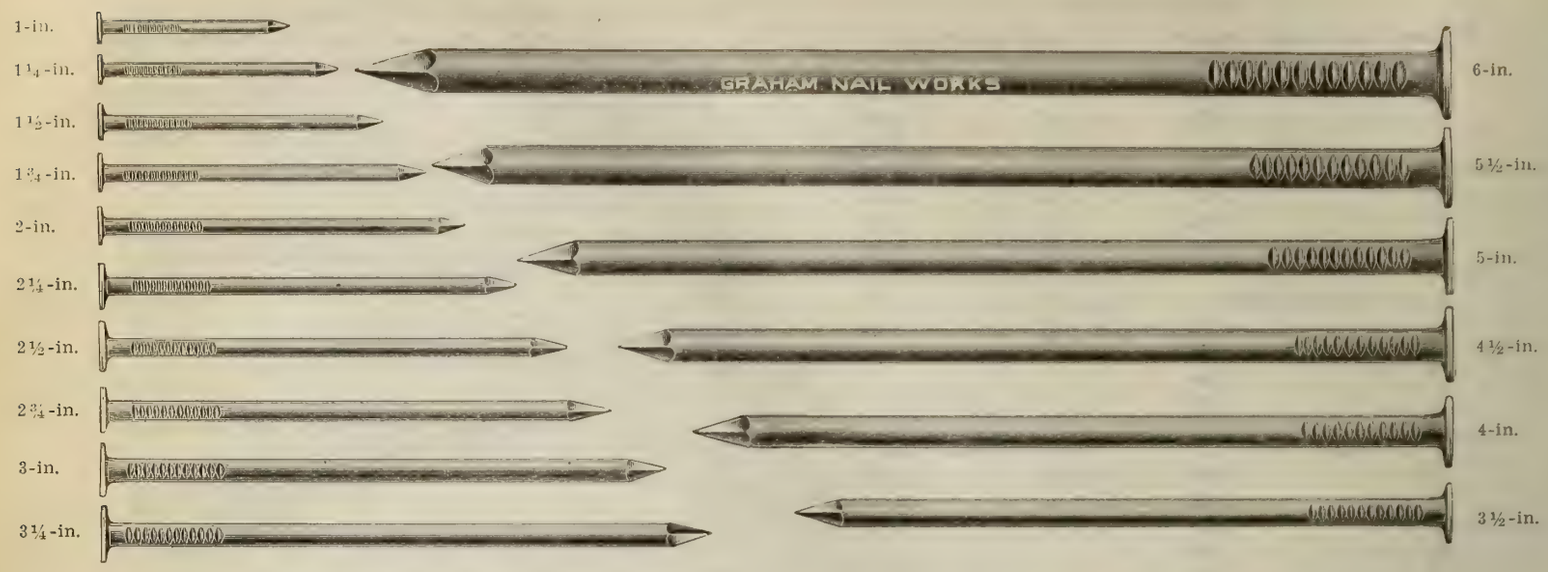
Barbing	$ .25 per 100 lbs.	Headless	.50 per 100 lbs.
Annealing	.25 "	Blued or Coated	35 "
Special Heads	.25 "	Packing in 25 & 50 pound boxes	1.00 "
Special Points	.25 "	Packing in 1 pound papers	2.00 "

Note.—An additional net extra of $2.00 per 100 lbs. will be charged on all nails on Miscellaneous List, when ordered **in lots of less than 100 lbs.** of one size; such orders will be subject to mill acceptance.

Extras for Galvanized, Tinned, Coppered or Brass Plated Nails quoted on application.

WIRE NAILS

PLEASE NOTE:—The advances over base are NET, not subject to discount.



Base Price per Keg (100 pounds) list .....

STANDARD (Common) WIRE NAILS:—In Kegs.

Length, inches	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/2	4	4 1/2	5	6	7	8
Gauge	15	15	14	13	12	12	11	10	10	9	7	6	5	4	2	1	0
App. number in a pound	876	778	568	357	235	204	139	99	90	69	43	31	24	18	11		
NET advance over base, keg	1.50	1.40	1.15	.80	75	.60	.55	.30	.30	.20	.10	.05	.05	Base	Base	.25	.25

STANDARD (Common) WIRE NAILS:—In 25-Pound Boxes

Length, inches	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	4	5	6	7
Gauge	15	15	14	13	12	12	11	10	10	9	6	4	2	1
App. number in a pound	876	778	568	357	235	204	139	99	90	69	31	18	11	
NET advance over base, per 100 lbs.	2.50	2.40	2.15	1.80	1.75	1.60	1.55	1.30	1.30	1.20	1.05	1.00	1.00	1.25

STANDARD (Common) WIRE NAILS:—In 1-Pound Papers.

Length, inches	3/4	7/8	1
Gauge	18	15	15
App. number in a pound	2758	1001	876
List per pound	.37	.27	.27

LATH NAILS:—In Kegs (100 lbs.)

Length, inches	1 1/8	1 1/8
Finish	Bright	Blued
Gauge	16	16
App. number in a pound	1015	1015
NET advance over base, per keg	1.60	1.95

FLOORING NAILS:—In Kegs (100 lbs.)

Length, inches	2 1/2
Gauge	10
App. number in a pound	99
NET advance over base, per keg	.55

FINISHING NAILS:—In Kegs (100 lbs.)

Length, inches	1 1/4	1 1/2	1 3/4	2	2 1/2	3
Gauge	16	15	14	13	12	11
App. number in lb.	913	584	406	268	164	105
NET advance over base, per keg	1.65	1.30	1.25	1.10	.80	.70

FINISHING NAILS:—In 25-Pound Boxes.

Length, inches	1	1 1/4	1 1/2	2	2 1/2	3
Gauge	17	16	15	13	12	11
App. number in lb.	1558	913	584	268	164	105
NET advance over base, per 100 lbs.	3.00	2.65	2.30	2.10	1.80	1.70

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

ROOFING NAILS

"Ideal."

25-Pound Boxes. List per 100 pounds 19.50

100-Pound Kegs. List per keg 17.50

Bright.

1-Inch; 12 Gauge; 7/16-Inch Head.

Well pointed; scored head; clean punched; approximately 280 in a pound.

Packed as above.

WIRE NAILS

PLEASE NOTE:—The advance over base is NET, not subject to discount.

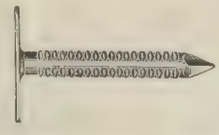
Base Price per keg (100 lbs.) 7.30

SASH PINS:— In Kegs (100 lbs.)

Length, inches	1	1 1/8
Gauge	8	8
App. number in a pound	190	165
NET advance over base, per keg	2.00	2.00

SASH PINS:—In 25-pound Boxes.

Length, inches	1	1 1/8	1 1/4
Gauge	8	8	8
App. number in a pound	190	165	150
NET advance over base, per 100 lbs.	3.00	3.00	2.75



AMERICAN ROOFING NAILS

Size 1 x 12. List per keg 20.00

Length 1 inch; 12 gauge; 5/8 inch diameter head; approximate number in a pound, 195.

In kegs of 100 pounds.

BOX NAILS (Bright) In Kegs (100 pounds)

Length, inches	1 1/8	1 1/4	1 1/2	2	2 1/4	2 1/2	3	4
Gauge	16	15	14	13	13	12	11	9
App. number in lb.	1015	701	473	268	238	164	105	52
NET advance over base, per keg	1.60	1.40	1.05	.85	.80	.55	.45	.30

BLUED BOX NAILS:—In Kegs (100 pounds)

Length, inches	1 1/8	1 1/2
Gauge	16	14
App. number in pound	1015	473
NET advance over base, per keg	1.95	1.40

COATED BOX NAILS:—In Kegs (100 Pounds)

Length, inches	2 1/2	2 3/4
Gauge	16	14
App. number in a pound	164	114
NET advance over base, per keg	.90	.90

BOX NAILS (Bright) In 25-Pound Boxes.

Length, inches	1 1/4	2	2 1/2	2 3/4
Gauge	15	13	12	11
App. number in pound	701	268	164	114
NET advance over base, per 100 lbs.	2.40	1.85	1.55	1.55

BASKET NAILS:—In 25-Pound Boxes.

Length, inches	3/4	1
Gauge	17	17
App. number in a pound	2077	1558
NET advance over base, per 100 lbs.	3.45	3.40

BASKET NAILS:—In 1-Pound Papers.

Length, inches	7/8
Gauge	17
App. number in a pound	1781
List per pound	.32

HINGE NAILS:—In Kegs (100 lbs.)

Length, inches	2 1/2	3
Gauge	3	3
App. number in a pound	30	25
NET advance over base, per keg	1.15	1.10

HINGE NAILS:—In 25-pound Boxes.

Length, inches	2	2 1/4	2 1/2	3
Gauge	6	6	3	3
App. number in lb.	62	50	30	25
NET advance over base, per 100 lbs.	2.30	2.15	2.15	2.10

ROOFING NAILS:—Large Head.

Size	7/8x10	1 1/2x10
List per keg	11.00	10.50
Length, inches	7/8	1 1/2
Gauge	10	10
Diam. head, inches	7/16	7/16
App. number in a pound	253	154

In kegs of 100 pounds.

MOULDING NAILS:—In 1-Pound Papers.

Size	Length, inches.	Gauge	App. number in a lb.	List Pound
1/2x20	1/2	20	7500	.55
5/8x19	5/8	19	4267	.44
3/4x17	3/4	17	2077	.34
3/4x18	3/4	18	2758	.37
7/8x17	7/8	17	1781	.32
7/8x18	7/8	18	2364	.33
1x16	1	16	1143	.28
1x17	1	17	1558	.30
1x18	1	18	2069	.32
1 1/4x15	1 1/4	15	701	.26
1 1/4x16	1 1/4	16	913	.27
1 1/4x17	1 1/4	17	1246	.29
1 1/2x15	1 1/2	15	584	.25
1 1/2x16	1 1/2	16	761	.27
1 3/4x16	1 3/4	16	653	.26
2x13	2	13	268	.24
2x14	2	14	315	.25
2x15	2	15	438	.25
2 1/4x15	2 1/4	15	389	.25
2 1/2x14	2 1/2	14	284	.24
3x12	3	12	137	.33

SLATING NAILS:—In Kegs (100 lbs.)

Length, inches	1	1 1/4	1 1/2
Gauge	12	11	11
App. number in pound	411	251	209
NET advance over base, per keg	1.45	1.20	1.10

SLATING NAILS:—In 25-pound Boxes.

Length, inches	1	1 1/4
Gauge	12	11
App. number in pound	411	251
NET advance over base, per 100 pounds	2.45	2.20

GALVANIZED SLATING NAILS

In Kegs (100 lbs.) and 25-pound Boxes.

Length, inches	1 1/4
Gauge	11
App. number in pound	240
List per 100 pounds, kegs	15.70
List per 100 pounds, boxes	17.70

Adopted January 5th, 1922.

REVISED HARDWARE TACK LIST

Reprinted May, 1922

TACKS — LIST PER DOZEN

Half Weight, oz.	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	22	24
Cut Tacks—Blued	.69	.90	1.06	1.18	1.22	1.56	2.08	2.49	2.97	3.36	3.92	4.48	5.04	5.60	6.16	6.72
Cut Tacks—Tinned	.74	.99	1.16	1.31	1.37	1.77	2.41	2.91	3.49	4.01	4.67	5.34	6.01	6.68	7.34	8.01
Carpet Tacks—Blued					1.02	1.32	1.76	2.22	2.64	3.05	3.56	4.07	4.58	5.09	5.59	6.10
Carpet Tacks—Tinned					1.18	1.53	2.07	2.64	3.19	3.69	4.31	4.92	5.55	6.15	6.77	7.38
Gimp Tacks—Blued	.62	.87	1.06	1.19	1.23	1.53	2.07	2.46	2.96	3.33	3.89	4.44	5.00	5.55	6.11	6.66
Gimp Tacks—Tinned	.68	.95	1.16	1.32	1.38	1.74	2.39	2.88	3.49	3.96	4.62	5.28	5.94	6.60	7.26	7.92

LIST PER POUND

In Bulk—100 lb. 50 lb.—25 lb. Packages, oz.	1	1 1/2	2	2 1/2	3	4	6	8	10	12	14	16	18	20	22	24
Carpet Tacks—Blued					.64	.61	.57	.56	.53	.51	.51	.51	.51	.51	.51	.51
Carpet Tacks—Tinned					.78	.75	.71	.70	.67	.65	.65	.65	.65	.65	.65	.65
Swedes' Cut and Trimmers' Tacks—Blued	1.51	1.32	1.14	1.00	.90	.78	.68	.66	.63	.60	.60	.60	.60	.60	.60	.60
Tacks—Tinned	1.65	1.46	1.28	1.14	1.04	.92	.82	.80	.77	.74	.74	.74	.74	.74	.74	.74
Upholsterers' Tacks—Blued	1.31	1.08	1.04	.95	.78	.74	.70	.63	.60	.57	.57	.57	.57	.57	.57	.57
Upholsterers' Tacks—Tinned	1.45	1.22	1.18	1.09	.92	.88	.84	.77	.74	.71	.71	.71	.71	.71	.71	.71
Basket Tacks—Blued	1.99	1.74	1.62	1.26	1.09	.86	.78	.71	.68	.66	.66	.66	.66	.66	.66	.66
Basket Tacks—Tinned	2.13	1.88	1.76	1.40	1.23	1.00	.92	.85	.82	.80	.80	.80	.80	.80	.80	.80
Gimp Tacks—Blued	1.33	1.24	1.13	1.00	.82	.75	.71	.64	.61	.57	.57	.57	.57	.57	.57	.57
Gimp Tacks—Tinned	1.47	1.38	1.27	1.14	.96	.89	.85	.78	.75	.71	.71	.71	.71	.71	.71	.71
Lace Tacks—Blued	1.85	1.45	1.21	1.03	.95	.85	.81	.70	.67	.66	.66	.66	.66	.66	.66	.66
Lace Tacks—Tinned	1.99	1.59	1.35	1.17	1.09	.99	.95	.84	.81	.80	.80	.80	.80	.80	.80	.80
Solid Head Japanned Lining Tacks				.82	.76	.75	.72	.68	.66	.64	.64	.64	.64	.64	.64	.64
Trunk Tacks, Oval Head —Black					.67	.65	.62	.61	.59	.53	.53	.53	.53	.53	.53	.53
—Tinned					.81	.79	.76	.75	.73	.67	.67	.67	.67	.67	.67	.67
Bill Posters' Tacks—Blued			.72	.66	.60	.57	.55	.53	.52	.50	.50	.50	.50	.50	.50	.50
Bill Posters' Tacks—Tinned			.86	.80	.74	.71	.69	.67	.66	.64	.64	.64	.64	.64	.64	.64

Copper Tacks (All Sizes) ..... Prices Quoted on Application.

Canvas Tacks, Cheese-Box Tacks, Curtain and Shade Tacks, Broom Tacks — Take same List as Upholsterers' Tacks.

Railroad Tacks, Roofing Tacks, Hide Tacks — Same List as Billposters' Tacks.

Looking-glass Tacks, Picture Frame Points — Same List as Lace Tacks.

Truckers' Tacks, Berry Box Tacks — Same List as Basket Tacks.

GOODS SOLD BY LENGTH — LIST PRICE PER POUND

	4/8	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2
Clout Nails—Tinned	.57	.54	.52	.51	.50	.49	.47	.46	.46	.46	.46	.46
Clout Nails—Blued	.71	.68	.66	.65	.64	.63	.61	.60	.60	.60	.60	.60
Trunk Nails—Tinned	.71	.68	.67	.66	.64	.63	.48	.46	.46	.46	.46	.46
Trunk Nails—Blued	.57	.54	.53	.52	.50	.49	.62	.60	.60	.60	.60	.60
Basket Nails, Chair Nails, Cigar Box Nails — Blued or Bright	.76	.72	.70	.67	.64	.60	.58	.55	.55	.55	.55	.55
do —Tinned	.90	.86	.84	.81	.78	.74	.72	.69	.69	.69	.69	.69

Copper Nails (All Sizes)..... Prices Quoted on Application.

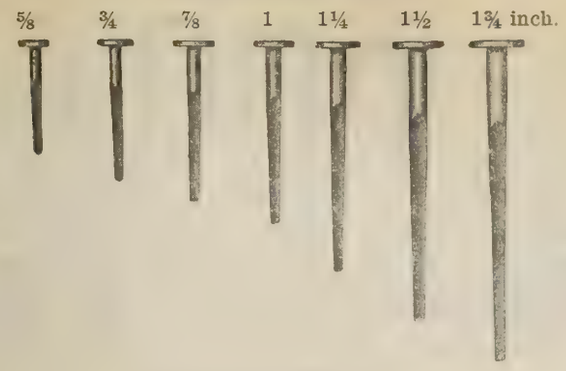
NET EXTRAS FOR PACKING

1 lb., 5 lb., 10 lb. Pprs.	$2.00 per 100 lbs. Net.
½ lb.	3.00 per 100 lbs. Net.
¼ lb.	4.00 per 100 lbs. Net.
⅛ lb.	5.00 per 100 lbs. Net.

Brass Plating, Copper Plating, Japanned, Galvanizing — Prices quoted on application

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

CLOUT NAILS



BLUED CLOUT NAILS

Length, inches	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
List per lb.	.34	.33	.31	.31	.31	.29	.28	.28	.28
Standard list	.57	.54	.52	.51	.50	.47	.46	.46	.46

TINNED CLOUT NAILS

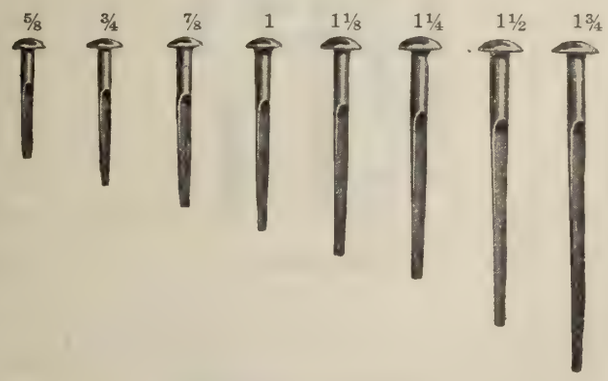
Length, inches	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2
List per lb.	.42	.40	.40	.38	.38	.36	.36	.36	.36
Standard list	.71	.68	.66	.65	.64	.61	.60	.60	.60

COPPER CLOUT NAILS

Length, inches	7/8	1 1/4	1 1/2	1 3/4	2
List per lb.	.92	.90	.90	.90	.90

All in 1 pound papers.

TRUNK NAILS



TINNED TRUNK NAILS

Length, inches	7/8	1	1 1/2	2
List per pound	.40	.38	.36	.36
Standard list	.66	.64	.60	.60

Cut steel; in 1 pound papers.

PICTURE FRAME POINTS

Size 6/8. List per pound ..... .36

In 25 Pound Boxes.

3/4 inch long; approximately 1452 points to the pound.

Standard List, per pound ..... .66

ESCUTCHEON PINS

BRASS ESCUTCHEON PINS (Round Head)

14 gauge x (length, inches)	3/4	7/8	1	1 1/2
List per pound	1.02	1.00	1.00	.96
Standard list	.75	.74	.73	.70

16 gauge x (length, inches)	3/8	1/2	5/8	3/4	7/8	1
List per pound	1.14	1.10	1.08	1.04	1.02	1.02
Standard list	.85	.82	.80	.78	.76	.75

In 1 pound papers.

HEADLESS BRASS ESCUTCHEON PINS

14 gauge x (length, inches)	1 1/4	1 1/2
List per pound	.96	.96
Standard list	.71	.70

16 gauge x (length, inches)	7/8	1
List per pound	1.02	1.02
Standard list	.76	.75

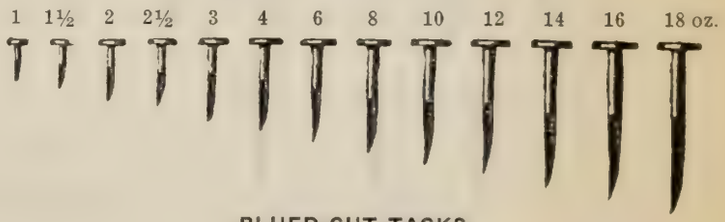
In 1 pound papers.

STEEL ESCUTCHEON PINS (Bright)

14 gauge x (length, inches)	3/4	7/8	1
List per pound	.32	.32	.30
Standard list	.25	.24	.23

In 1 pound papers.

CUT TACKS



BLUED CUT TACKS

Ounce	1	1 1/2	2	2 1/2	3	4	6
List dozen	.36	.48	.55	.64	.66	.82	1.08
Length, inches	3/16	3½/16	1/4	5/16	3/8	7/16	1/2
Ap. wt. doz., lbs.	7/16	5/8	3/4	1	1 1/8	1 1/2	2 1/4
Standard list	.69	.90	1.06	1.18	1.22	1.56	2.08

Ounce	8	10	12	14	16	18	20
List dozen	1.28	1.50	1.76	2.06	2.34	2.64	2.94
Length, inches	9/16	5/8	11/16	3/4	13/16	7/8	15/16
Ap. wt. doz., lbs.	3 1/4	4	4 1/2	5 1/4	6	6 3/4	7 1/2
Standard list	2.49	2.97	3.36	3.92	4.48	5.04	5.60

Half weight packages.

1 dozen papers in a package.

Sold only in full Packages.

CARPET TACKS

BLUED CARPET TACKS

Ounce	6	8	10	12	14
List dozen	.94	1.18	1.38	1.60	1.86
Length, inches	1/2	9/16	5/8	11/16	3/4
App. wt. doz., lbs.	2 1/4	3	3 3/4	4 1/2	5 1/4
Standard list	1.76	2.22	2.64	3.05	3.56

Half Weight Papers.

1 dozen papers in a package.
Sold only in full Packages.

BLUED CARPET TACKS:—In 25-pound Boxes.

Ounce	6	8
List per pound	.30	.30
Length, inches	1/2	9/16

In wooden boxes of 25 pounds.

TINNED CARPET TACKS

Ounce	4	6	8	10	12	14
List dozen	.81	1.08	1.38	1.68	1.96	2.26
Length, inches	7/16	1/2	9/16	5/8	11/16	3/4
App. wt. doz., lbs.	1 1/2	2 1/4	3	3 3/4	4 1/2	5 1/4
Standard list	1.53	2.07	2.64	3.19	3.69	4.31

Half Weight Papers.

1 dozen papers in a package.
Sold only in full Packages.

WIRE CARPET TACKS:—Blued.

Ounce	6	8	10	12
List dozen	.96	1.20	1.40	1.60
Length, inches	1/2	9/16	5/8	11/16
App. wt. doz., lbs.	2 1/2	2 7/8	3 1/2	4 3/4

Half Weight Papers.

1 dozen papers in a package.
Sold only in full Packages.

BLUED WIRE CARPET TACKS:—In 25 Pound Boxes.

Ounce	6	8	10
List per pound	.30	.30	.28
Length, inches	1/2	9/16	5/8

In 25 pound wooden boxes.

DOUBLE POINTED TACKS

BLUED.

Size	10	11	12
List dozen	.64	.68	.80
Width (inside) inch,	1/4	1/4	9/32
Length (inside) inch	1/2	9/16	5/8
App. number in lb.	1248	1136	768
App. wt. per doz., lbs.	3/4	1	1 3/8

In Papers—75 Count.

1 dozen papers in a Package.
Sold only in full Packages.

GIMP TACKS

BLUED.

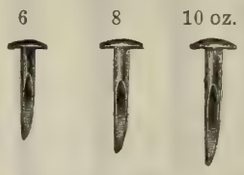
Ounce	2	2 1/2	3	4	6
List dozen	.58	.62	.66	.82	1.08
Length, inch.	5/16	3/8	7/16	1/2	9/16
App. wt. doz., lbs.	3/4	1	1 1/8	1 1/2	2 1/4
Standard list	1.06	1.19	1.23	1.53	2.07

Half Weight Papers.

1 dozen papers in a package.
Sold only in full packages.

LINING NAILS

Solid Head.



JAPANNED

Ounce	4	6	8	10
List per package	2.10	2.10	2.10	2.10
Length, inches	7/16	1/2	9/16	5/8
App. wt. per package, lbs.	1½	1¾	2⅛	3

In Papers—75 Count.

20 papers in a package; sold only in full packages.

SILVERED

Ounce	4	6	8
List per package	2.10	2.10	2.10
Length, inches	7/16	1/2	9/16
App. wt. per package, lbs.	1¼	1¾	2⅛

In Papers—75 Count.

20 papers in a package; sold only in full packages.

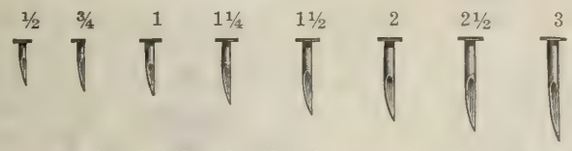
UPHOLSTERERS TACKS

BLUED.

Ounce	2	2 1/2	3	4	5	8	10	12	14
List pound	.54	.48	.42	.40	.36	.34	.32	.30	.30
Length, inch.	1/4	5/16	3/8	7/16	1/2	9/16	5/8	11/16	3/4
Standard list	1.04	.95	.78	.74	.70	.63	.60	.57	.57

In 25 pound boxes.

SHOE TACKS



Ounce	1	1 1/2	2	2 1/2	3	3 1/2	4	5	6
List dozen	.74	.74	.90	1.00	1.08	1.20	1.30	1.60	1.90
Length, ins.	5/16	3/8	7/16	1/2	9/16	19/32	5/8	21/32	11/16
App. wt. doz. papers, lbs.	7/8	1	1 1/2	2	2 1/2	3	3 1/4	4	5 1/2

Half Weight Papers

Blued steel; small head; extra sharp cut point.

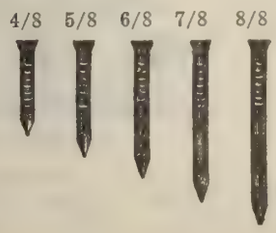
STEEL WIRE SHOE RIVETS

1/4 POUND PAPERS

17 Gauge x (length, ins.)	3/8	3½/8	4/8	4½/8	5/8	5½/8
List per pound	.56	.49	.44	.44	.43	.43

16 Gauge x (length, ins.)	6/8	7/8
List per pound	.39	.37

Regular or cone point.



1/2 POUND PAPERS

17 Gauge x (length, ins.)	3/8	3½/8	4/8	4½/8	5/8	5½/8
List per pound	.52	.45	.40	.40	.39	.39

16 Gauge x (length, ins.)	6/8	7/8
List per pound	.35	.33

Regular or cone point.

STEEL WIRE SHOE RIVETS

CLINCH POINT SHOE RIVETS

1/4 POUND PAPERS

17 gauge x (length, ins.)	4/8	4½/8	5/8	5½/8
List per pound	.47	.47	.45	.45

16 gauge x (length, ins.)	6/8	7/8
List per pound	.42	.40

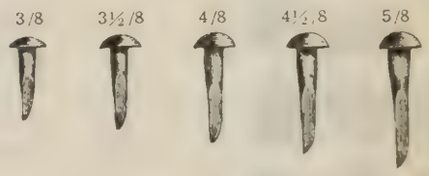
CLINCH POINT SHOE RIVETS

1/2 POUND PAPERS

17 gauge x (length, ins.)	3/8	4/8	4½/8	5/8	5½/8
List per pound	.55	.43	.43	.41	.41

16 gauge x (length, ins.)	6/8	7/8
List per pound	.38	.36

HUNGARIAN NAILS



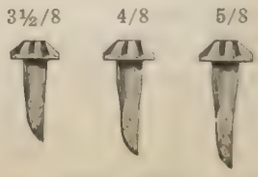
ROUND HEAD

Length, ins.	3/8	3½/8	4/8	4½/8	5/8	6/8
List pound	.42	.41	.41	.41	.41	41

1/2 Pound Papers

Bright steel; cut point.

HOB NAILS



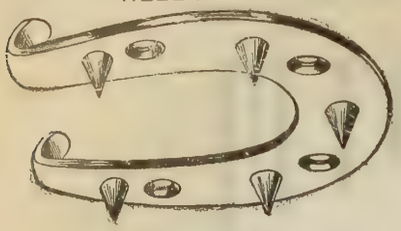
FANCY OR GROOVED HEAD

Length, inches	3½/8	4/8	5/8
List pound	.41	.41	.41

1/2 Pound Papers

Blued steel; cut point.

HEEL PLATES



"NEVER-SLIP"

No.	Fits heels, sizes.	List dozen pairs.
3	5 to 7	7.00
2	7 to 10	7.00
1	10 to 12	7.00
Assorted	5 to 12	7.00

Stamped from sheet steel; fine steel, sharp pointed calks securely rivetted; punched with holes for clinched nails which are supplied with each pair; size 2 1/4 x 3 inches; average weight per dozen pairs, 2 3/4 pounds.

1 dozen pairs in a box.

HEEL PLATES
or
Boot Protectors.

"STAR"

No. 2. List per dozen cards 2.40

Misses or Boys.
8 on a Folding Card.

Made of the best annealed malleable iron; corrugated face; 3 pronged; size 1 3/8 x 1/2 inch; for protection against uneven wearing of boots and shoes; average weight per dozen cards, 1 3/4 pounds.

1 dozen cards in a bundle.

BOOT AND SHOE PROTECTORS

"STAR"

No. 7. List per dozen cards 2.40

Misses and Boys Size.

Consists of 2 heel plates, 4 side plates and 4 toe plates; mounted on a folded card; average weight per dozen cards, 1 1/4 pounds.

No. 8. List per dozen cards 2.40

Mens Size.

Consists of 2 heel plates, 4 side plates and 2 toe plates; mounted on a folded card; average weight per dozen cards, 1 1/2 pounds.

Made of best annealed malleable iron; corrugated face; 3 pronged; for protection against uneven wearing of boots and shoes.

1 dozen cards in a bundle.

SHOE THREAD

BARBOUR'S.

Size 8—

2-oz. Balls. List per pound 4.00

1-oz. Balls. List per pound 4.30

Half Bleached Linen.

Made of the best Irish flax; smooth and exceptionally strong; for sewing shoes, harness, etc.

1 pound in a carton.

RUBBER CEMENT

"DUNLOP"

3/4 x 4. List per dozen 1.10

In Collapsible Tubes.

Pure rubber cement; incomparable for adhesive qualities; in liquid form; for patching or repair work; tubes have screw caps to prevent deterioration; size of tube 3/4 inch diameter, 4 inches long over all; average weight per carton, 2 pounds.

2 dozen in a carton.

RUBBER CEMENT

"DUNLOP"

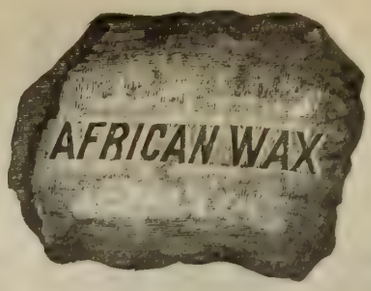
1 x 4. List per dozen 1.70

In Collapsible Tubes.

Pure rubber cement; incomparable for adhesive qualities; in liquid form; for patching or repair work; tubes have screw caps to prevent deterioration; size of tube 1 inch diameter, 4 inches long over all; average weight per carton, 1 1/2 pounds.

1 dozen in a carton.

SHOE WAX

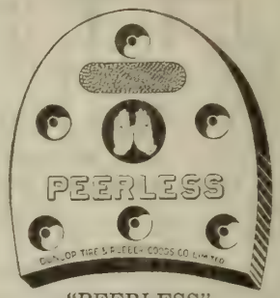


Black. List per 100 balls 2.30

For waxing shoe thread, etc., paper wrapped in balls of about 1 oz.

• Open stock.

RUBBER HEELS



"PEERLESS"

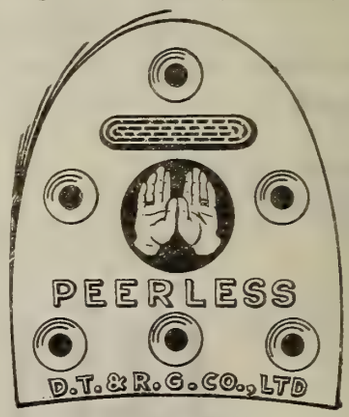
WOMEN'S.

Size	Width, Ins.	Length, Ins.	App. wt. pr., ozs.	List doz. pairs.
000	1 11/32	1 19/32	2	2.20
00	1 1/2	1 11/16	2 1/8	2.20
0	1 9/16	1 13/16	2 1/2	2.20
1	1 3/4	2 1/16	2 3/4	2.20

Regular Half Heels.

Extra uniform quality, resilient black rubber; retains elasticity to the end; plugged in the centre at the back; reinforced nail holes set well in from the edge; 7/16 inch thick.

1 pair in a carton (with nails).



"PEERLESS"

MEN'S.

Size	Width, Ins.	Length, Ins.	App. wt. pr., ozs.	List doz. pairs.
6	2 7/16	2 3/4	3 3/4	2.90
7	2 9/16	2 7/8	4	2.90
8	2 11/16	3	4 1/4	2.90
9–10	2 13/16	3 1/16	4 1/2	2.90

Regular Half Heels

Extra uniform quality, resilient black rubber; retains elasticity to the end; plugged in the centre at the back; reinforced nail holes set well in from the edge; 7/16 inch thick.

1 pair in a carton (with nails).

LEATHER HEELS
or
Top Lifts.

Women's. List per dozen pairs 1.20
4 inches high per dozen pairs; width 2 3/16 inches; length 2 1/2 inches; average weight per dozen pairs, 3/4 pound.

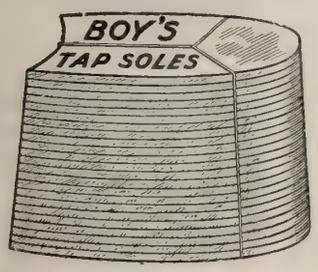
Boy's. List per dozen pairs 1.20
4 inches high per dozen pairs; width 2 1/2 inches; length 2 7/8 inches; average weight per dozen pairs, 1 pound.

Men's. List per dozen pairs 1.40
4 inches high per dozen pairs; assorted, four pairs of three different sizes in a bundle; average weight per dozen pairs, 1 1/4 pounds.

All cut from good solid oak tanned leather.

Wired 1 dozen pairs in a bundle.

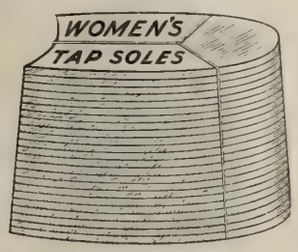
SHOE SOLES
or
Tap Soles.



BOY'S.

No. 31 1/2 x 4 1/2. List dozen pairs 4.40
Cut from good solid oak tanned leather; 4 1/2 inches high per dozen pairs; assorted four pairs of three different sizes in a bundle; largest size 3 7/8 x 5 7/8 inches; average weight per dozen pairs, 2 1/2 pounds.

Wired 1 dozen pairs in a bundle.



WOMEN'S.

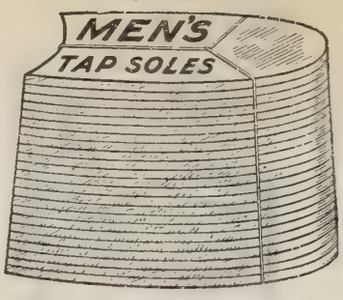
No. 37 1/2 x 3 1/2. List dozen pairs 3.20
3 1/2 inches high per dozen pairs; average weight per dozen pairs, 2 1/8 lbs.

No. 37 1/2 x 4. List dozen pairs 3.50
4 inches high per dozen pairs; average weight per dozen pairs, 2 1/2 pounds.

Cut from good solid oak tanned sole leather; assorted four pairs of three different sizes in a bundle; largest size 3 3/4 x 6 1/8 inches.

Wired 1 dozen pairs in a bundle.

SHOE SOLES
or
Tap Soles.



MEN'S.

No. 25. List dozen pairs 3.50
5 inches high per dozen pairs; assorted in sizes and thicknesses, largest size, 4 1/4 x 7 inches; average weight per bundle, 4 1/4 pounds.

No. 123 x 4 1/2. List dozen pairs 5.60
4 1/2 inches high per dozen pairs; assorted six pairs of two sizes in a bundle; largest size 4 1/2 x 7 inches; approximate weight per bundle, 3 7/8 pounds; cut from good solid oak tanned leather.

No. 122 x 5. List dozen pairs 5.90
5 inches high per dozen pairs; assorted six pairs of two sizes in a bundle; largest size 4 1/4 x 7 inches; approximate weight per bundle, 4 3/4 pounds; cut from good solid oak tanned leather.

No. 121 x 5 1/2. List dozen pairs 6.20
5 1/2 inches high per dozen pairs; assorted six pairs of two sizes in a bundle; largest size 4 1/4 x 7 inches; approximate weight per bundle, 5 1/4 pounds; cut from good solid oak tanned leather.

No. 123. Size 11. List dozen pairs 6.20
4 1/2 inches high per dozen pairs; dimensions 4 1/8 x 7 inches; average weight per bundle, 4 pounds.

All cut from good solid oak tanned leather.

Wired 1 dozen pairs in a bundle.

SHOE LASTS

No.	Length, inches.	App. wt. doz., lbs.	List dozen
1	6	8 1/2	1.40
2	7 3/4	13	2.20
3	9 3/4	18 1/2	3.30

Japanned.

Made of soft grey cast iron; flanged edge; for "York" Cobblers set; takes No. 12 last stand.

Open stock.

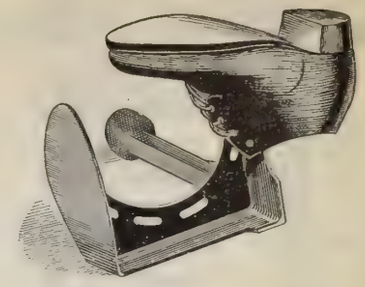
No.	Length, inches.	App. wt. doz., lbs.	List dozen
C	6 1/2	17 1/2	4.20
B	8 3/4	28 1/2	7.00
A	9 3/4	30 3/4	7.20

Japanned

Made of soft grey cast iron; plain edge; for Nos. 1 and 2 Cobblers sets; takes "Home" last stand.

Open stock.

SHOE LASTS



COMBINATION

No. 1. Light. List per dozen 12.00
Large last 6 x 3 3/16 inches; small last 4 1/8 x 2 3/8 inches; detachable heel last 3 x 1 3/4 inches; average weight each, 4 1/4 pounds.

No. 2. Heavy. List per dozen 12.00
Large last 6 3/8 x 3 1/4 inches; small last 4 3/4 x 2 5/8 inches; detachable heel last 1 7/8 x 2 inches; average weight each, 7 1/4 pounds.

Japanned.

A combination 2-piece cast iron stand-last; 3 legs.

Open stock.

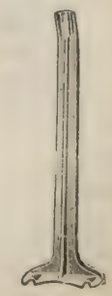
LAST STANDS
or
Cobblers Stands.

No. 12. List per dozen 4.00

Japanned.

Made of soft grey cast iron; height over all 10 3/4 inches; base 4 7/8 x 2 1/2 inches; average weight each, 1 3/4 pounds; for "York" Cobblers set; takes Nos. 1, 2 and 3 lasts.

Open stock.



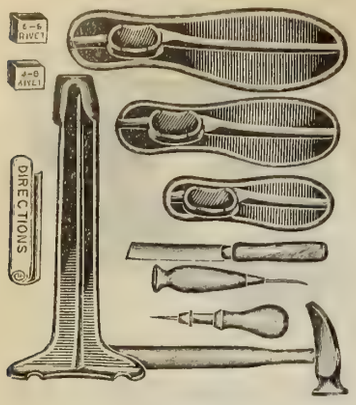
Home. List per dozen 10.80

Japanned.

Made of soft grey cast iron; reversible, giving horizontal and elevated positions; height over all 13 1/2 inches; base 5 5/8 x 3 3/4 inches; average weight each, 3 7/8 pounds; for Nos. 1 and 2 Cobblers sets; takes Nos. A, B and C lasts.

Open stock.

COBBLERS OUTFITS



"York." List per dozen sets 24.00

13-Piece.

Consists of:—

1 men's last, No. 3, 9 3/4 inches.
1 boy's last, No. 2, 7 3/4 inches.
1 women's last, No. 1, 6 inches.
1 last stand, 10 1/2 inches.
1 shoe knife.
1 shoe hammer.
1 pegging awl handle.
1 pegging awl.
1 stabbing awl handle.
1 stabbing awl.
1 package 4/8 x 16 shoe rivets.
1 package 6/8 x 16 shoe rivets.
1 card of directions.

Iron parts made of soft grey cast iron, japanned; for boot and shoe repairing; shipping weight per set, 7 1/2 pounds.

1 set in a wooden box.

No. 2. General. List per dozen sets ... 37.20

32-Piece.

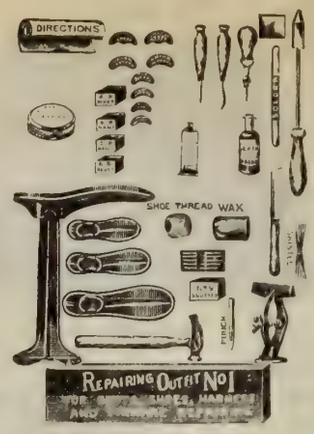
Consists of:—

1 men's last, No. 3, 9 3/4 inches.
1 boy's last, No. 2, 7 3/4 inches.
1 women's last, No. 1, 6 inches.
1 child's last, No. 0, 5 1/4 inches.
1 last stand, 10 1/2 inches.
1 shoe hammer. 1 shoe knife.
1 pegging awl. 1 sewing awl.
1 pegging awl handle.
1 sewing awl handle.
1 stabbing awl and 1 handle.
1 bottle leather cement.
1 tube rubber cement.
4 pairs heel plates, Nos. 2, 3, 5, 6.
1 package shoe rivets, 4/8 x 16.
1 package shoe rivets, 6/8 x 16.
1 package heel nails, 5/8 x 13.
1 bunch bristles.
1 ball shoe thread.
1 ball shoe wax.
6 harness needles.
1 card of directions.

Iron parts made of soft grey cast iron, japanned; for general boot, shoe, tinware and harness repairing; shipping weight per set, 10 pounds.

1 set in a wooden box.

COBBLERS OUTFITS



No. 1. Home. List per dozen sets 54.00

41-Piece.

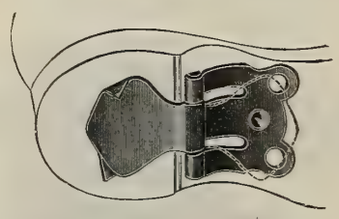
Consists of:—

1 men's last, No. 3, 9 3/4 inches.
1 boy's last, No. 2, 7 1/4 inches.
1 women's last, No. 1, 6 inches.
1 child's last, No. 0, 5 1/4 inches.
1 last stand, 10 1/2 inches.
1 pegging awl and 1 handle.
1 stabbing awl and 1 handle.
1 sewing awl and 1 handle.
1 bottle leather cement.
1 tube rubber cement.
4 pairs heel plates, Nos. 2, 3, 5, 6.
1 package shoe rivets, 4/8 x 16.
2 packages shoe rivets, 6/8 x 16.
1 package heel nails, 5/8 x 13.
1 bunch bristles. 6 harness needles.
1 harness and saw clamp.
1 harness and belt punch.
1 box slotted rivets.
1 rivet holder for same.
1 ball shoe thread.
1 shoe hammer.
1 bar solder. 1 piece tin.
1 ball shoe wax.
1 shoe knife.
1 box soldering paste.
1 card of directions for soling, etc.
1 card of directions for soldering.

Iron parts made of soft grey cast iron, japanned; a complete assortment for repairing boots, shoes, harness, tinware, graniteware, rubbers, etc.; shipping weight per set, 11 pounds.

1 set in a wooden box.

ICE CREEPERS



Reversible Heel.

Women's. List per dozen pairs 4.00

Men's. List per dozen pairs 4.00

Black oxidized fine quality steel, made to rivet to the instep of shoe; designed particularly for rubbers, overshoes, artics, etc.; the spur plate rests on the heel when in use, when not in use it can be folded over in the instep and is out of the way entirely; average weight per dozen pairs, 1 3/4 pounds.

1 dozen pairs in a box (with rivets.)

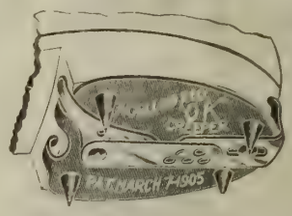
ICE CREEPERS

DIAMOND.

Men's. List per dozen pairs 6.50

A utility creeper that works equally well with shoes or overshoes; made of high grade steel with four sharp corners; dark blue, rust-resisting finish; supplied with strong leather strap and buckle; average weight per dozen pairs, 2 3/4 pounds.

1 dozen pairs in a box.



"O. K."

No. 1. Medium. List dozen pairs 8.40

Fits all heels from 2 7/16 to 2 15/16 ins. in length; average weight per dozen pairs 2 3/4 pounds.

No. 0. Large. List dozen pairs 8.40

Fits all heels from 2 7/8 to 3 1/4 inches in length; average weight per dozen pairs, 3 1/4 pounds.

Adjustable.

Made entirely of high quality steel; four needle point case hardened calks in each plate; lever adjustment; suitable for every type of heel; easily applied.

1 dozen pairs in a box.

WATER-PROOFING

"VISCOL."

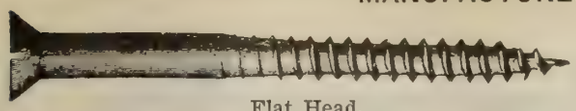
4-oz. List per dozen 5.30
1 3/4 inch cans; average weight per dozen, 5 pounds.

8-oz. List per dozen 8.70
2 1/4 x 3 5/8 inch cans; average weight per dozen, 8 pounds.

A liquid preparation for shoes and all kinds of leather; not only water-proofs the leather but preserves and softens it; it is a fine harness oil; in screw top cans; each can in a carton.

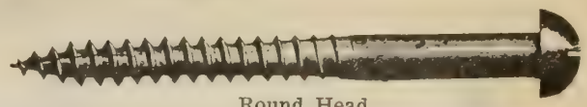
1 dozen in a box.

MANUFACTURERS STANDARD LIST OF WOOD SCREWS



Flat Head.

LIST PRICE
PER GROSS
(1 gross in a package.)



Round Head.

Price List Adopted July 6th, 1922.
Length of Flat Head Screws is Measured Over All; Length of Round Head Measured from Under the Head to Point.

STEEL WOOD SCREWS	Market Discount	BRASS WOOD SCREWS	Market Discount.
Flat Head, Bright		Flat Head, Brass	
Round Head, Bright		Round Head, Brass	

Inch													
1/4	Nos.	0	1	2	3	4	OVAL HEAD BRIGHT SCREWS FOR SKATES						
	Steel	$0.90	.90	.90	.90	.90	3/8 x 6; 3/8 x 7; 1/2 x 6; 5/8 x 7:—Same discount as Round						
	Brass	.95	.95	1.00	1.00	1.05	Head Bright Screws. Also supplied in sets. (See Skates).						
3/8	Nos.	0	1	2	3	4	5	6	7	8			
	Steel	$0.90	.90	.90	.90	.90	.90	.90	.90	.90			
	Brass	.95	1.00	1.05	1.10	1.15	1.20	1.30	.....	.....			
1/2	Nos.	1	2	3	4	5	6	7	8	9	10		
	Steel	$0.90	.90	.90	.90	.90	.90	.95	1.00	1.05	1.10		
	Brass	1.05	1.10	1.15	1.20	1.30	1.40	1.55	1.75	.....	.....		
5/8	Nos.	2	3	4	5	6	7	8	9	10	11	12	
	Steel	$0.90	.90	.90	.95	.95	1.00	1.05	1.10	1.15	1.20	1.25	
	Brass	1.20	1.25	1.30	1.40	1.55	1.75	1.95	2.15	2.40	.....	.....	
3/4	Nos.	2	3	4	5	6	7	8	9	10	11	12	14
	Steel	$0.90	.90	.95	.95	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.40
	Brass	1.30	1.35	1.40	1.50	1.70	1.90	2.15	2.40	2.65	2.95	3.25	.....
7/8	Nos.	3	4	5	6	7	8	9	10	11	12	14	
	Steel	$0.95	.95	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.50	
	Brass		1.50	1.65	1.85	2.10	2.35	2.60	2.90	3.20	3.55	.....	
1	Nos.	3	4	5	6	7	8	9	10	11	12	14	16
	Steel	$0.95	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.60	1.85
	Brass		1.60	1.80	2.00	2.25	2.85	3.15	3.50	3.90	4.75	.....	
1 1/4	Nos.	4	5	6	7	8	9	10	11	12	14	16	18
	Steel	$1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.50	1.60	1.80	2.05	2.40
	Brass		.....	2.30	2.60	2.95	3.30	3.65	4.10	4.60	5.65	.....	.....
1 1/2	Nos.	4	5	6	7	8	9	10	11	12	14	16	18	20
	Steel	$1.20	1.25	1.30	1.35	1.40	1.45	1.50	1.60	1.80	2.05	2.35	2.75	3.25
	Brass		.....	2.65	3.00	3.35	3.75	4.20	4.70	5.35	6.55	.....	.....	.....
1 3/4	Nos.	6	7	8	9	10	11	12	14	16	18	20	
	Steel	$1.40	1.45	1.50	1.60	1.70	1.80	2.00	2.25	2.60	3.05	3.60	
	Brass		.....	3.75	4.25	4.80	5.40	6.10	7.45	.....	.....	.....	
2	Nos.	6	7	8	9	10	11	12	14	16	18	20	
	Steel	$1.55	1.60	1.65	1.75	1.85	2.00	2.20	2.50	2.90	3.40	4.00	
	Brass		.....	4.25	4.75	5.35	6.00	6.80	8.35	10.20	12.30	.....	
2 1/4	Nos.	6	7	8	9	10	11	12	14	16	18	20	
	Steel	$1.75	1.80	1.85	1.95	2.05	2.20	2.40	2.75	3.20	3.75	4.40	
	Brass		.....	.....	.....	5.95	6.70	7.50	9.30	11.30	13.60	.....	
2 1/2	Nos.	6	7	8	9	10	11	12	14	16	18	20	
	Steel	$1.95	2.00	2.05	2.15	2.25	2.40	2.60	3.00	3.50	4.10	4.80	
	Brass		.....	.....	.....	6.60	7.40	8.25	10.25	13.00	15.00	.....	
2 3/4	Nos.	8	9	10	11	12	14	16	18	20			
	Steel	$2.15	2.25	2.45	2.60	2.80	3.25	3.80	4.45	5.20			
3	Nos.	8	9	10	11	12	14	16	18	20	24		
	Steel	$2.45	2.55	2.65	2.80	3.00	3.50	4.10	4.80	5.60	7.40		
	Brass		.....	.....	.....	9.75	12.00	14.70	17.70	.....	.....		
3 1/2	Nos.	10	11	12	14	16	18	20	24				
	Steel	$3.00	3.20	3.40	4.00	4.60	5.40	6.30	8.40				
	Brass		.....	11.25	14.00	17.00	20.50	.....	.....				
4	Nos.	12	14	16	18	20	24						
	Steel	$3.80	4.50	5.20	6.10	7.10	9.50						
4 1/2	Nos.	14	16	18	20	24							
	Steel	$5.10	5.90	6.90	8.00	10.70							
5	Nos.	14	16	18	20	24							
	Steel	$5.75	6.70	7.80	9.00	11.90							

ADDITIONAL STEEL WOOD SCREWS

The following varieties of steel wood screws are invoiced from the above list at varying discounts:—Blued, Brass Plated, Bright Steel, Bronze Plated, Bung Head, Copper Plated, Dowel, Drive, Felloe, Fillister Head, Flat Head, Galvanized, Headless, Japanned, Lacquered, Nickel Plated, Oval Head, Pinched, Round Head, Silver Plated, Tinned, Winged.

ADDITIONAL BRASS WOOD SCREWS

The following varieties of brass wood screws are invoiced from the above list at varying discounts.

Flat, Fillister, Oval and Round Head screws made of Brass Bronze or Phosphor Bronze.

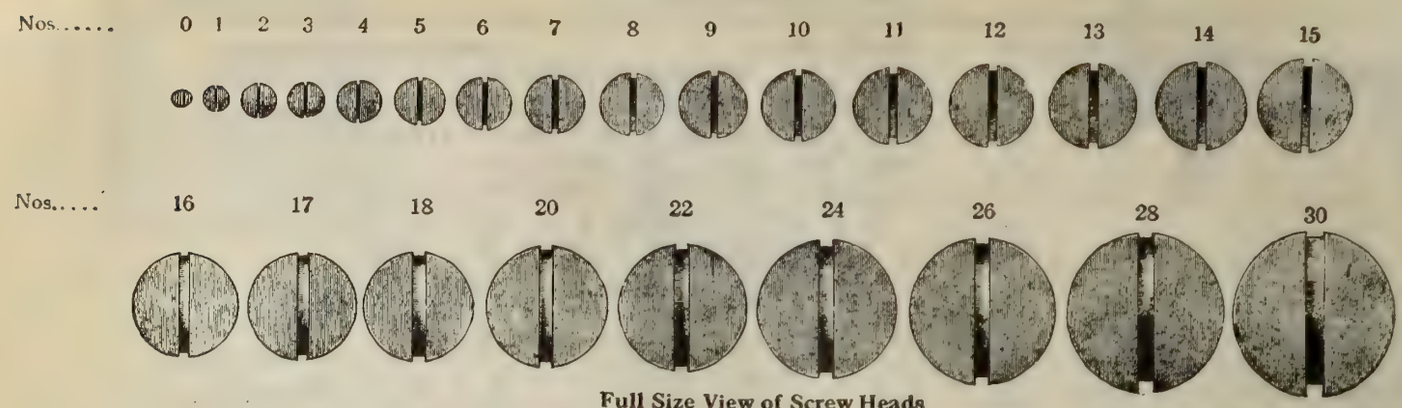
Bronze, Nickel and Silver Plated, also Lacquered screws made of Brass.

Lengths and diameters not listed are special; but are furnished to the extent they may be in stock, or when required in sufficient quantities of a size to warrant being made to order. Such non-listed lengths and diameters take the list prices of the next longer or larger listed sizes.

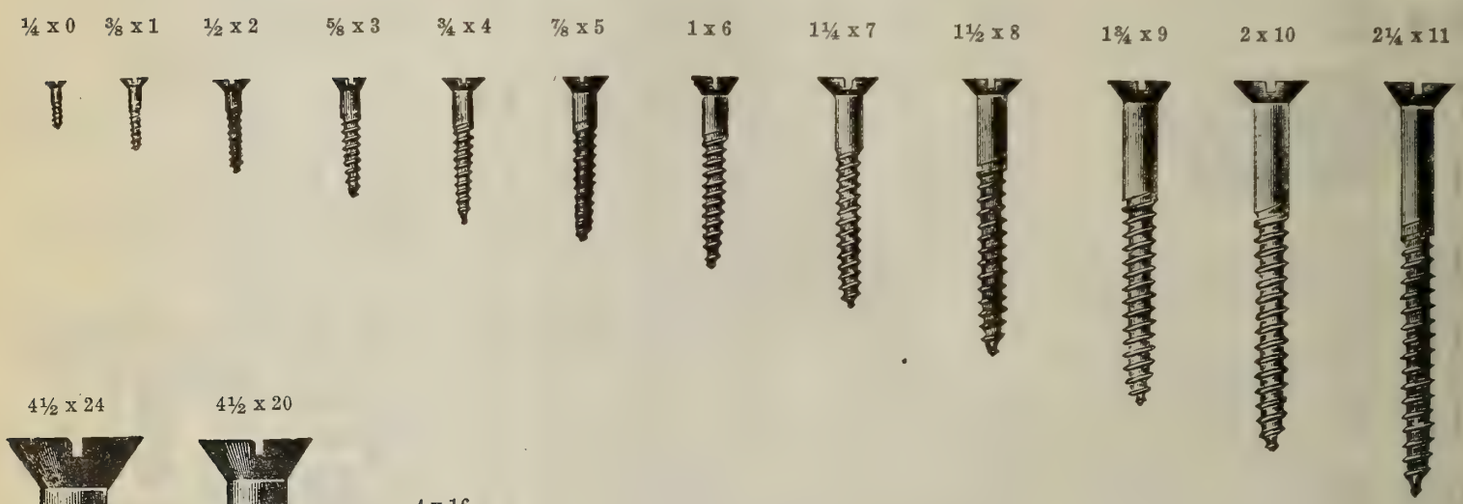
WOOD SCREW ILLUSTRATIONS

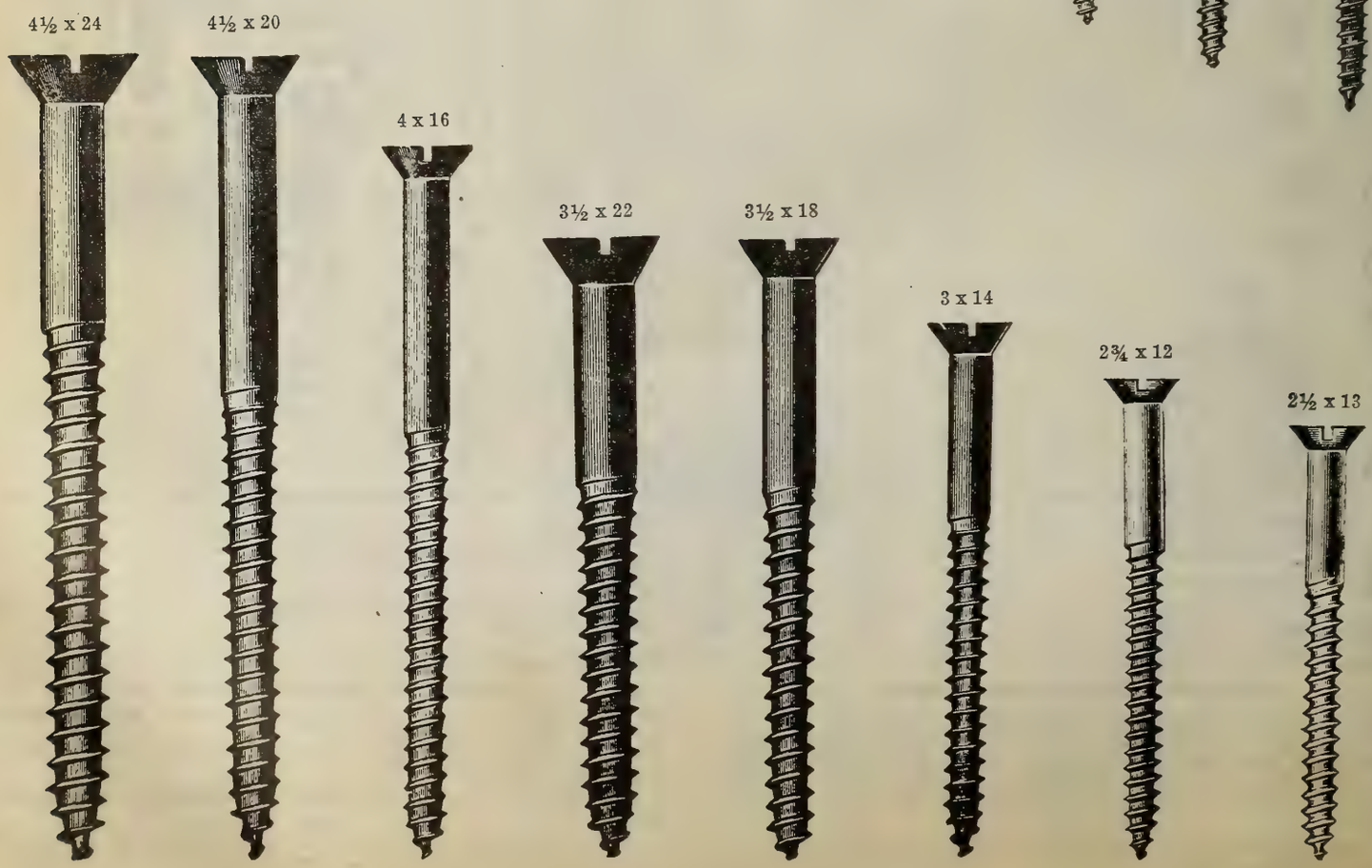
Full Size Cuts.

Flat Head; Gimlet Point.



Full Size View of Screw Heads





H. S. HOWLAND, SONS & CO., LIMITED WHOLESALE HARDWARE, TORONTO, CANADA.

MACHINE BOLTS

Solt steel; oil finish; square head; standard thread; finished point; square nut.
Length measured from under head to point.

MARKET DISCOUNTS FROM STANDARD LIST

⅜-inch and smaller, up to 4 inches long .....
⅜-inch and smaller; longer than 4 inches .....
7-16-inch and larger .....

MANUFACTURERS STANDARD LIST (Price per 100)

Revised August 1st, 1912. Reprinted, May, 1922

Length Inches	Diameter, Inch.										
	1/4	5/16	3/8	7/16	1/2	9/16 and 5/8	3/4	7/8	1	1⅛	1¼
¾ to 1½	$1.70	$2.00	$2.40	$2.80	$3.60	$5.20	$7.70	$10.50	$15.10	$22.50	$30.00
2	1.78	2.12	2.56	3.00	3.86	5.58	8.25	11.20	16.00	23.70	31.50
2½	1.86	2.24	2.72	3.20	4.12	5.96	8.80	11.90	16.90	24.90	33.00
3	1.94	2.36	2.88	3.40	4.38	6.34	9.35	12.60	17.80	26.10	34.50
3½	2.02	2.48	3.04	3.60	4.64	6.72	9.90	13.30	18.70	27.30	36.00
4	2.10	2.60	3.20	3.80	4.90	7.10	10.45	14.00	19.60	28.50	37.50
4½	2.18	2.72	3.36	4.00	5.16	7.48	11.00	14.70	20.50	29.70	39.00
5	2.26	2.84	3.52	4.20	5.42	7.86	11.55	15.40	21.40	30.90	40.50
5½	2.34	2.96	3.68	4.40	5.68	8.24	12.10	16.10	22.30	32.10	42.00
6	2.42	3.08	3.84	4.60	5.94	8.62	12.65	16.80	23.20	33.30	43.50
6½	2.50	3.20	4.00	4.80	6.20	9.00	13.20	17.50	24.10	34.50	45.00
7	2.58	3.32	4.16	5.00	6.46	9.38	13.75	18.20	25.00	35.70	46.50
7½	2.66	3.44	4.32	5.20	6.72	9.76	14.30	18.90	25.90	36.90	48.00
8	2.74	3.56	4.48	5.40	6.98	10.14	14.85	19.60	26.80	38.10	49.50
9	2.90	3.80	4.80	5.80	7.50	10.90	15.95	21.00	28.60	40.50	52.50
10	3.06	4.04	5.12	6.20	8.02	11.66	17.05	22.40	30.40	42.90	55.50
11	3.22	4.28	5.44	6.60	8.54	12.42	18.15	23.80	32.20	45.30	58.50
12	3.38	4.52	5.76	7.00	9.06	13.18	19.25	25.20	34.00	47.70	61.50
13	3.54	4.76	6.08	7.40	9.58	13.94	20.35	26.60	35.80	50.10	64.50
14	3.70	5.00	6.40	7.80	10.10	14.70	21.45	28.00	37.60	52.50	67.50
15	3.86	5.24	6.72	8.20	10.62	15.46	22.55	29.40	39.40	54.90	70.50
16	4.02	5.48	7.04	8.60	11.14	16.22	23.65	30.80	41.20	57.30	73.50
17	4.18	5.72	7.36	9.00	11.66	16.98	24.75	32.20	43.00	59.70	76.50
18	4.34	5.96	7.68	9.40	12.18	17.74	25.85	33.60	44.80	62.10	79.50
19	4.50	6.20	8.00	9.80	12.70	18.50	26.95	35.00	46.60	64.50	82.50
20	4.66	6.44	8.32	10.20	13.22	19.26	28.05	36.40	48.40	66.90	85.50
21							29.15	37.80	50.20	69.30	88.50
22							30.25	39.20	52.00	71.70	91.50
23							31.35	40.60	53.80	74.10	94.50
24							32.45	42.00	55.60	76.50	97.50
25							33.55	43.40	57.40	78.90	100.50
26							34.65	44.80	59.20	81.30	103.50
27							35.75	46.20	61.00	83.70	106.50
28							36.85	47.60	62.80	86.10	109.50
29							37.95	49.00	64.60	88.50	112.50
30							39.05	50.40	66.40	90.90	115.50
Add per Inch	$0.16	$0.24	$0.32	$0.40	$0.52	$0.76	$1.10	$1.40	$1.80	$2.40	$3.00

APPROXIMATE WEIGHTS OF MACHINE BOLTS

Weights in pounds of 100 bolts.

Length Inches	Diameter, Inch.										
	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4
1½ ..	3.6	6.2	8.8	13	18	33	52	78	114	165	225
2 ...	4.2	7.2	10.2	15	21	37	58	86	125	178	242
2½ ..	4.8	8.2	11.6	17	24	41	64	94	136	191	259
3 ...	5.4	9.1	13.	19	26	45	70	103	146	205	275
3½ ..	6.	10.1	14.4	21	29	49	76	111	157	219	292
4 ...	6.6	11.	15.8	23	31	53	82	119	167	232	308
4½ ..	7.2	12.	17.2	25	34	57	88	128	178	246	325
5 ...	7.8	12.9	18.6	27	37	61	94	136	189	259	342
5½ ..	8.4	13.9	20.	29	39	65	100	144	199	273	359
6 ...	9.	14.8	21.4	31	42	69	106	152	210	286	375
6½ ..	9.6	15.8	22.8	33	44	73	112	161	220	300	392
7 ...	10.2	16.7	24.2	35	47	77	118	169	231	313	409
7½ ..	10.8	17.7	25.6	37.	50	81	124	177	242	327	425
8 ...	11.4	18.6	27.	39	52	85	130	186	252	340	442
9 ...	12.6	20.5	29.8	43	57	93	142	200	273	367	475
10 ...	13.8	22.4	32.6	47	63	101	154	217	295	394	509
11 ...	15.	24.3	35.4	51	68	109	166	233	316	421	542
12 ...	16.2	26.2	38.2	55	73	118	178	250	338	448	575
13 ...	17.4	28.1	41.	59	78	126	190	267	358	475	609
14 ...	18.6	30.	43.8	63	83	134	202	283	379	502	642
15 ...	19.8	31.9	46.6	67	89	142	214	300	401	529	675
16 ...	21.	33.8	49.4	71	94	150	226	316	422	556	708
17 ...	22.2	35.7	52.2	75	99	158	238	333	443	583	742
18 ...	23.4	37.6	55.	79	104	166	250	350	464	610	775
19 ...	24.6	39.5	57.8	83	109	175	262	366	485	637	808
20 ...	25.8	41.4	60.6	87	115	183	274	383	507	664	842
21 ...					120	191	286	399	528	691	875
22 ...					125	199	298	416	549	718	908
23 ...					130	207	310	433	570	745	942
24 ...					135	215	322	449	591	772	975

COMMON CARRIAGE BOLTS

Soft steel; oil finish; round head, square shoulder; standard thread; square nut; finished point.
Length measured from under head to point.

MARKET DISCOUNTS FROM MANUFACTURERS STANDARD LIST

⅜-inch and smaller, up to 6 inches long .....
⅜-inch and smaller, longer than 6 inches .....
7-16-inch and larger .....

MANUFACTURERS STANDARD LIST (Price per 100)

Adopted July, 1913. Reprinted, May, 1922

Length Inches	Diameter, Inch.						
	3/16 and 1/4	5/16	3/8	7/16	1/2	9/16 and 5/8	3/4
1½ ...	$1.00	$1.40	$1.90	$2.20			
2	1.10	1.52	2.06	2.40			
2½ ...	1.20	1.64	2.22	2.60	$3.25	$5.75	$8.50
3	1.30	1.76	2.38	2.80	3.53	6.13	9.00
3½ ...	1.40	1.88	2.54	3.00	3.81	6.51	9.50
4	1.50	2.00	2.70	3.20	4.09	6.89	10.00
4½ ...	1.60	2.12	2.86	3.40	4.37	7.27	10.50
5	1.70	2.24	3.02	3.60	4.65	7.65	11.00
5½ ...	1.80	2.36	3.18	3.80	4.93	8.03	11.50
6	1.90	2.48	3.34	4.00	5.21	8.41	12.00
6½ ...	2.00	2.60	3.50	4.20	5.49	8.79	12.50
7	2.10	2.72	3.66	4.40	5.77	9.17	13.00
7½ ...	2.20	2.84	3.82	4.60	6.05	9.55	13.50
8	2.30	2.96	3.98	4.80	6.33	9.93	14.00
8½ .	2.40	3.08	4.14	5.00	6.61	10.31	14.50
9	2.50	3.20	4.30	5.20	6.89	10.69	15.00
9½ ...	2.60	3.32	4.46	5.40	7.17	11.07	15.50
10	2.70	3.44	4.62	5.60	7.45	11.45	16.00
11	2.90	3.68	4.94	6.00	8.01	12.21	17.00
12	3.10	3.92	5.26	6.40	8.57	12.97	18.00
13	3.30	4.16	5.58	6.80	9.13	13.73	19.00
14	3.50	4.40	5.90	7.20	9.69	14.49	20.00
15	3.70	4.64	6.22	7.60	10.25	15.25	21.00
16	3.90	4.83	6.54	8.00	10.81	16.01	22.00
17	4.10	5.12	6.86	8.40	11.37	16.77	23.00
18	4.30	5.36	7.18	8.80	11.93	17.53	24.00
19	4.50	5.60	7.50	9.20	12.49	18.29	25.00
20 ...	4.70	5.84	7.82	9.60	13.05	19.05	26.00

3-16 inch and ¼ inch all lengths, 100 in a package; 5-16, ⅜, 7-16 inch all lengths, 50 in a package; ½ inch up to 10 inch, 50; longer, 25; ⅝ and ¾ inch up to 10 inch, 25; longer Bolts, loose.

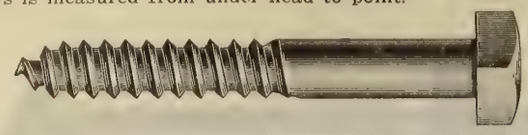
APPROXIMATE WEIGHTS OF COMMON CARRIAGE BOLTS

Weights in pounds of 100 bolts.

Length Inches	Diameter, Inch.							
	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4
1	1.9	2.8	4.8	7.3	10.5	14.4	30.	39.
1¼	2.2	3.1	5.2	8.	11.5	15.7	32.	42.
1½	2.4	3.5	5.7	8.7	12.5	17.	34.	45.
2	2.9	4.2	6.7	10.1	16.5	19.6	36.	51.
2½ ...	3.3	4.9	7.7	11.5	18.5	22.2	40.	57.
3	3.7	5.6	8.7	13.	20.4	24.7	44.	63.
3½ ...	4.1	6.3	9.7	14.4	22.3	27.3	48.	69.
4	4.6	7	10.6	15.8	24.2	29.8	52.	75.
4½ ..		7.7	11.6	17.2	26.2	32.4	56.	81.
5		8.4	12.6	18.6	28.1	34.9	60.	88.
5½ ...		9.1	13.6	20.	30.	37.5	64.	94.
6		9.8	14.5	21.5	32.	40.	68.	100.
6½ ...		10.5	15.5	22.9	34.	42.6	72.	106.
7		11.2	16.5	24.3	35.9	45.1	77.	112.
7½ ...		11.9	17.5	25.7	37.8	47.7	81.	118.
8		12.6	18.4	27.1	39.8	50.2	85.	124.
9		14.	20.4	30.	43.7	55.3	93.	136.
10		15.4	22.3	32.8	47.6	60.4	101.	148.
11		16.8	24.3	35.6	51.5	65.5	109.	160.
12		18.2	26.2	38.4	55.4	70.6	117.	172.
13				41.2	59.3	75.7	125.	184.
14				44.	63.2	80.8	133.	196.
15				47.	67.1	85.9	141.	208.
16				50.	71.	91.	150.	221.
17				53.	74.9	96.1	158.	233.
18				55.5	78.8	101.2	166.	245.
19				58.	82.7	106.3	174.	257.
20				61.	86.6	111.4	182.	269.

COACH SCREWS

Gimlet Point; soft steel, oil finish; square head; length of these screws is measured from under head to point.

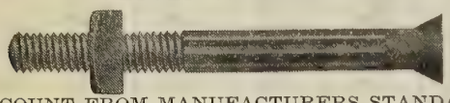


MARKET DISCOUNT FROM MANUFACTURERS STANDARD LIST ....
MANUFACTURERS STANDARD LIST (Price per 100)

Length, Inches	Diameter, Inch.							
	5/16	3/8	7/16	1/2	9/16 and 5/8	3/4	7/8	1
1½	$2.25	$2.70	$3.15	$3.75				
2	2.45	2.96	3 47	4.11	$6 00			
2½	2.65	3 22	3 79	4.47	6.50	$9.20		
3	2.85	3 48	4.11	4.83	7.00	9.90	$15 00	
3½	3.05	3 74	4.43	5.19	7.50	10.60	16 00	$22 00
4	3.25	4 00	4 75	5.55	8 00	11 30	17 00	23 30
4½	3.45	4.26	5 07	5 91	8 50	12 00	18 00	24.60
5	3.65	4.52	5 39	6.27	9 00	12 70	19.00	25.90
5½	3.85	4 78	5 71	6.63	9.50	13.40	20 00	27.20
6	4.05	5 04	6 03	6 99	10 00	14 10	21 00	28 50
6½	4.25	5 30	6 35	7 35	10 50	14 80	22 00	29.80
7	4.45	5.56	6.67	7.71	11.00	15.50	23 00	31.10
7½	4.65	5 82	6 99	8 07	11 50	16.20	24 00	32.40
8	4.85	6 08	7 31	8 43	12 00	16 90	25 00	33 70
9	5.25	6 60	7 95	9 15	13 00	18 30	27 00	36 30
10	5.65	7.12	8.59	9.87	14.00	19.70	29.00	38.90
11	6.05	7.64	9 23	10 59	15 00	21 10	31 00	41.50
12	6.45	8.16	9.87	11 31	16.00	22 50	33.00	44.10

5-16 to 7-16 inch, 50 in a package; ½ inch up to 6 inches, 50; longer, 25 in a package; ⅝ inch up to 10 inch, 25; longer, loose; ¾ inch up to 8 inch, 25; longer, loose; ⅞ and 1 inch, loose.

FLUTED TIRE BOLTS

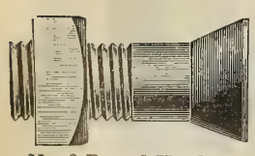


MARKET DISCOUNT FROM MANUFACTURERS STANDARD LIST ....
MANUFACTURERS STANDARD LIST (Price per 100)

Length Inches	Diameter, Inch.				Length Inches	Diameter, Inch.			
	1/8 and 3/16	1/4	5/16	3/8		1/8 and 3/16	1/4	5/16	3/8
1	$0.60	$0.95	$1.40	$2.20	3¾	$1 05	$1.40	$1.96	$2.90
1¼	.60	.95	1.40	2.20	4	1.10	1.45	2.03	3.00
1½	.60	.95	1.40	2.20	4¼	1.15	1.50	2.10	3.10
1¾	.65	1.00	1.40	2.20	4½	1.20	1.55	2.17	3.20
2	.70	1.05	1.47	2.20	4¾	1.25	1.60	2.24	3.30
2¼	.75	1.10	1.54	2.30	5	1.30	1.65	2.31	3.40
2½	.80	1.15	1.61	2.40	5¼	1 35	1.70	2.38	3.50
2¾	.85	1.20	1.68	2.50	5½	1.40	1.75	2.45	3.60
3	.90	1.25	1.75	2.60	5¾	1.45	1.80	2.52	3.70
3¼	.95	1.30	1.82	2.70	6	1.50	1.85	2.59	3.80
3½	1.00	1.35	1.89	2.80					

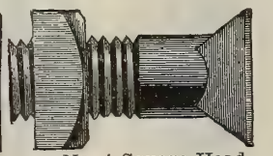
Blued steel; flat head; threaded end; fluted shank; square nut.
Length measured over all.
100 in a package.

PLOW BOLTS



No. 2 Round Head.
With round shoulder.

No. 3 Round Head.
With square shoulder.



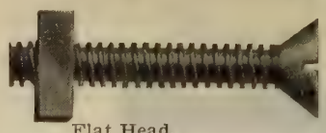
No. 4 Square Head.

MARKET DISCOUNTS FROM STANDARD LIST
No. 2 Right. Discount .....
No. 3 Right. Discount .....
No. 4 Right. Discount .....
No. 4 Left. Discount .....

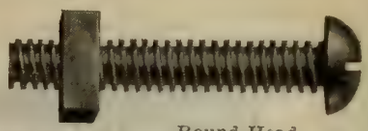
Length Inches.	Standard List per 100.						App. wt. 100 lbs.	
	No. 2 Right		No. 3 Right		No. 4 Rt. and Left			
	3/8-in.	7/16-in.	3/8-in.	7/16-in.	3/8-in.	7/16-in.	3/8-in.	7/16-in.
1	2.00	2.60	2.00	2.60	2.00	2.60	6¾	10
1 1/4	2.00	2.60	2.00	2.60	2.00	2.60	7½	11
1 1/2	2.10	2.75	2.10	2.75	2.10	2.75	8¾	12½
1 3/4					2.20	2.90	9½	13½

Wrought steel; forged nut; right hand thread are sent unless otherwise ordered.
1/2 hundred in a package.

STOVE BOLTS



Flat Head.



Round Head.

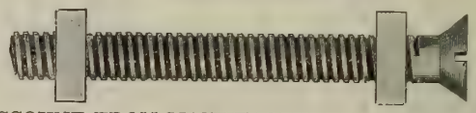
Bright Steel.

MARKET DISCOUNT FROM MANUFACTURERS STANDARD LIST ....
Manufacturers Standard List (price per 100).
Adopted March, 1907. Reprinted, May, 1922.

Length Inches	Diameter, Inch.						
	1/8	5/32	3/16	7/32	1/4	5/16	3/8
⅜	$0.85	$0.85	$0.85				
½	.85	.85	.85	$1.20	$1.20		
⅝	.85	.85	.85	1.20	1.20		
¾	.85	.85	.85	1.20	1.20	$1.75	$2.65
⅞	.90	.90	.90	1.25	1.25	1.80	2.70
1	.90	.90	.90	1.30	1.30	1.85	2.75
1⅛	.95	.95	.95	1.35	1.35	1.90	2.85
1¼	1.00	1.00	1.00	1.40	1.40	1.95	2.90
1⅜	1.05	1 05	1.05	1.45	1.45	2.00	3.00
1½	1.10	1.10	1.10	1.50	1.50	2.05	3 10
1¾	1.15	1.15	1.15	1.55	1.55	2.15	3.20
2	1.20	1.20	1.20	1.60	1.60	2.30	3.40
2¼			1.25	1.70	1.70	2.40	3.60
2½			1.30	1.80	1.80	2.50	3.80
2¾			1.40	1.90	1.90	2.60	4.00
3			1.50	2.00	2.00	2.70	4.20
3¼			1.60	2.10	2.10	2.85	4.40
3½			1.70	2.20	2.20	3.00	4.60
3¾			1.80	2.30	2.30	3.15	4.80
4			1.90	2.40	2.40	3.30	5.00
4¼			2.00	2.50	2.50	3.45	5.20
4½			2.10	2.60	2.60	3.60	5.40
4¾			2.20	2.70	2.70	3.75	5.60
5			2.30	2.85	2.85	3.90	5.80
5¼			2.40	3.00	3.00	4.10	6.00
5½			2.50	3.15	3.15	4.30	6.20
5¾			2.60	3.30	3.30	4.50	6.40
6			2.75	3.45	3.45	4.70	6.60
6¼			2.90	3.60	3.60	4.90	6.80
6½			3.05	3.75	3.75	5.10	7.00

Flat head bolts measured over all; round head measured from under the head.
100 in a package.

SINK BOLTS



MARKET DISCOUNT FROM MANUFACTURERS STANDARD LIST ....
1/4 x 2 1/2 inch. List per 100 ..... **1.50**

With Two Square Nuts.

Flat head; 2½ inches long over all; 1/4 inch diameter; bright steel; threaded to head; average weight per hundred, 5 pounds.
Manufacturers Standard List 2.30
1 hundred in a box.

EXPANSION SHIELDS.

Shields Only—Without Bolts.

Long Standard.

Nos.	**3/8L**	**1/2L**	**3/4L**
List per 100	**22.00**	**33.50**	**57.50**
Diameter (lag screw) inches	3/8	1/2	3/4
Outside Diameter, inches	5/8	3/4	1
Length, inches	2¾	3½	3½
Average weight 100, pounds	15	24	40

Short Standard.

Nos.	**3/8S**	**5/8S**
List per 100	**22.00**	**40.00**
Diameter (lag screw) inches	3/8	5/8
Outside diameter, inches	5/8	7/8
Length, inches	2	2
Average weight 100, pounds	11	26

Made of malleable iron of high tensile strength; circular protecting ribs; also side ribs; in two parts.
Open stock.

LOCK WASHERS

"NEVER-SLIP"

Light S.A.E. Standard

Bolt size, inch.	Size steel (ins.) Width	Thickness	App. wt. per 100, pounds	List per 100
3/16	1/16	3/64	1/8	.12
1/4	5/64	1/16	3/16	.24
5/16	1/8	3/32	1/2	.36
3/8	1/8	3/32	9/16	.44
7/16	11/64	1/8	1 3/16	.72
1/2	11/64	1/8	1 3/8	.76
9/16	13/64	5/32	2 1/8	2.00
5/8	13/64	5/32	2 3/16	2.10
3/4	1/4	3/16	3 3/4	3.80

Made of special analysis high carbon steel; natural finish: the corrugations on both sides give additional locking power; sold only in full boxes.

1 hundred in a box.

"NEVER-SLIP"

Light S.A.E. Standard.

No. 39S. List per assortment ..... .40

Assorted.

10 each—1/4, 5/16 and 3/8 inch. **3 each**—7/16, 1/2 and 5/8 inch.

Made of fine steel; natural finish; corrugated on both sides; each assortment packed in a cardboard box with tin bottom and top; average weight each, 5 ounces.

1 assortment in a box.

"NEVER-SLIP"

Light S.A.E. Standard.

No. 5. List per assortment 4.80

Garage Assortment.

Contents:—

100—3/16; 100—1/4; 100—5/16; 100—3/8; 40—7/16; 40—1/2; 20—9/16; 20—5/8 and 10—3/4 inch (bolt size).

Made of special analysis high carbon steel; corrugated on both sides to prevent slipping; each assortment is contained in a wooden box, 12 x 5½ x 2 inches, each size in a separate compartment; average weight each, 4 1/2 lbs.

1 assortment in a box.

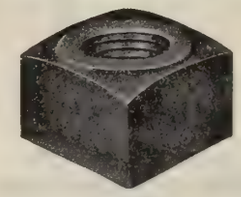
ROUND WROUGHT WASHERS

Standard List of Sept., 1918. Reprinted May, 1922.

Size of hole, inches.	Outside diameter, inches.	Bolt size, inches.	Gauge thickness.	App. No. in a pound.	List 100 pounds.
1/4	9/16	3/16	15	394	26.40
5/16	3/4	1/4	15	150	23.60
3/8	7/8	5/16	15	113	22.40
7/16	1	3/8	15	68	20.80
1/2	1 1/4	7/16	15	43	19.70
9/16	1 3/8	1/2	12	26	19.10
5/8	1 1/2	9/16	12	23	18.90
11/16	1 3/4	5/8	10	13	18.80
13/16	2	3/4	9	10	18.60
15/16	2 1/4	7/8	9	9	18.40
1 1/16	2 1/2	1	10	6	18.40

50 Pounds in a box of one size ..... **2c** per pound less Net.

SQUARE TAPPED NUTS



Bolt, size, inches.	Hole, inches.	Width, inches.	Thick, inches.	App. No. in 100 pounds.	List per 100 pounds.
1/4	3/16	1/2	1/4	7875	32.50
5/16	1/4	19/32	5/16	4410	28.50
3/8	19/64	11/16	3/8	2791	24.70
7/16	11/32	25/32	7/16	1935	22.70
1/2	13/32	7/8	1/2	1354	22.10
9/16	29/64	31/32	9/16	1034	20.90
5/8	33/64	1 1/16	5/8	798	21.10
3/4	5/8	1 1/4	3/4	463	20.70
7/8	47/64	1 7/16	7/8	290	20.30
1	27/32	1 5/8	1	197	20.30

U. S. Standard.

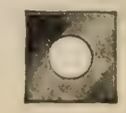
25 pounds in a box of one size ..... **1c per pound less.**
50 pounds in a box of one size ..... **2c per pound less.**

TAPPED WING NUTS
or
Thumb Nuts.

Bolt Size, inch.	App. wt. per 100. Lbs.	List per dozen.
3/16	1 1/4	.50
1/4	2	.60
5/16	2 7/8	.70

Malleable Iron; open stock.

STOVE BOLT NUTS



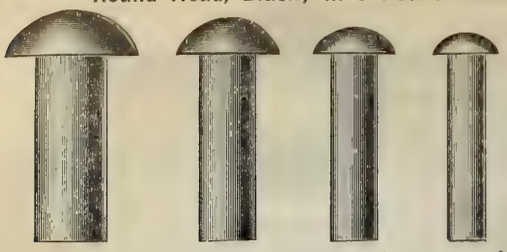
SQUARE TAPPED.

Bolt size, inch.	Threads, per inch.	App. No. per lb.	List per 100.
3/16	24	187	.40
1/4	18	94	.58
5/16	18	47	.90

Cold Pressed; open stock.

NORWAY IRON RIVETS

Round Head, Black; in 5 Pound Boxes



MARKET DISCOUNT FROM MANFACT'S STANDARD LIST

.....

Size:— 3/8 5/16 3 6

Illustrations show exact diameters of the different sizes; length 1 inch.

Size 6 (diam.)

Length, ins.	3/8	1/2	5/8	3/4	1	1¼	1½	1¾	2	2¼
List pound	.25	.22	.22	.22	.21	.21	.21	.21	.21	.24
App. No. in lb.	134	131	114	101	82	69	59	55	47	42
Standard list	.26	.23	.23	.22½	.22	.22	.22	.22	.22	.25

Size 3 (diam.)

Length, ins.	1/2	5/8	3/4	1	1¼	1½	1¾	2	2¼	2½	3
List pound	.21	.21	.20	.20	.20	.20	.20	.20	.22	.22	.22
App. No. in lb.	75	67	59	49	42	37	33	29	27	24	21
Standard list	.22	.22	.21½	.20	.21	.21	.21	.21	.23	.23	.23

Size 5/16 (diam.)

Length, ins.	5/8	3/4	1	1¼	1½	2	2½	3
List, pound	.21	.20	.20	.20	.20	.20	.21	.21
App. No. in lb.	45	41	34	29	25	20	17	14
Standard list	.21½	.21	.20½	.20½	.20½	.20½	.22½	.22½

Size 3/8 (diam.)

Length, ins.	3/4	1	1¼	1½	2	2½
List, pound	.21	.19	.19	.19	.19	.21
App. No. in lb.	26	22	19	17	13	11
Standard list	.21½	.20	.20	.20	.20	.22

Soft Steel.

Length of these rivets is measured from under the head.

5 pounds in a carton.

SECTION RIVETS

Black; in 1 Pound Boxes.

Size 6, Cone Head.

MARKET DISCOUNT FROM MANUFACTURERS STANDARD LIST

.....

Size 5, Countersunk Head.

Size 6 (diam.) Countersunk Head.

									Assorted.
Length, ins.	3/8	7/16	1/2	5/8	3/4	7/8	1	1¼	3/8 to 1¼
List pound	.28	.27	.25	.25	.25	.25	.24	.24	30½
Standard list	.29	.28	.26	.26	.25½	.25½	.25	.25	

Size 5 (diam.) Countersunk Head.

									Assorted.
Length, ins.	3/8	7/16	1/2	5/8	3/4	7/8	1	1¼	3/8 to 1¼
List pound	.27	.27	.25	.25	.25	.25	.25	.25	30½
Standard list	.28	.28	.26	.26	.25½	.25½	.25	.25	

Size 6 (diam.) Cone Head.

									Assorted.
Length, ins.	3/8	7/16	1/2	5/8	3/4	7/8	1	1¼	3/8 to 1¼
List pound	.28	.27	.25	.25	.25	.24	.24	.24	30½
Standard list	.29	.28	.26	.26	.25½	.25½	.25	.25	

Size 5 (diam.) Cone Head.

Length, ins.	1/2	5/8	3/4	7/8	1	1¼
List pound	.25	.25	.25	.25	.24	.24
Standard list	.26	.26	25½	.25½	25	.25

Soft Steel.

Length of countersunk rivets is measured over all; cone head from under the head.

In 1 pound boxes.

HAME RIVETS

Size, 7 x 1¼ inch.

BEVEL HEAD.

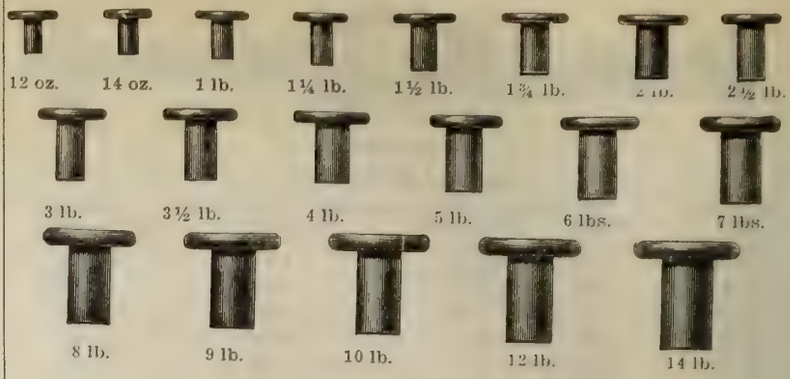
Size 7 (diam.)

Length, inches	1	1¼
List per pound	.27	.27
App. No. in a pound	111	93

Soft iron; black; No. 7 gauge (S.W.G.) thick; length measured from under head.

1 pound in a box.

TINNERS RIVETS



BLACK AND TINNED IRON

MARKET DISCOUNT FROM MANUFACTURERS STANDARD LIST ....

Size or weight.	App. length, inches.	App. diam. gauge.	Manufacturers Standard list Black	List per 1,000 Black.	List per 1,000 Tinned.
12 Oz.	3/16	12¼	.41		.52
14 Oz.	3/16	12	.45	.44	.58
1 Lb.	13/64	11¾	.48	.47	.63
1 1/4 Lb.	7/32	11	.54		.72
1 1/2 Lb.	15/64	10¼	.62	.60	.84
1 3/4 Lb.	1/4	10	.67		.94
2 Lb.	17/64	9¼	.72	.70	1.02
2 1/2 Lb.	9/32	9	.83	.80	1.20
3 Lb.	5/16	8¼	.96	.92	1.40
3 1/2 Lb.	21/64	8	1.09		2.66
4 Lb.	11/32	7¼	1.20	2.30	2.94
5 Lb.	3/8	6¾	1.30	1.24	2.04
6 Lb.	25/64	6	1.50	1.44	2.40
7 Lb.	13/32	5¼	1.75	1.68	
8 Lb.	7/16	4¾	2.00	1.90	3.18
10 Lb.	15/32	4	2.40	2.28	
12 Lb.	1/2	3	2.64	2.52	
14 Lb.	33/64	2	3.08	2.94	

Norway Iron.

The size or weight of these rivets denotes the weight per thousand.

1,000 rivets in a box.

BIFURCATED RIVETS
or
Slotted Rivets

Size 9. List per carton 2.60

Coppered Steel; Oval Head.

Assorted 4/16 to 8/16.

Made from solid blanks; does not require a hole before, nor burr after inserting; 9/64 inch diameter of wire; 5/16 inch head; length measured from under head; 1,200 rivets assorted in boxes of 100 with rivet holder; 12 boxes in a carton; average weight per carton, 2 3/8 pounds.

Sold only in full cartons.

Size 6. List per carton 5.70

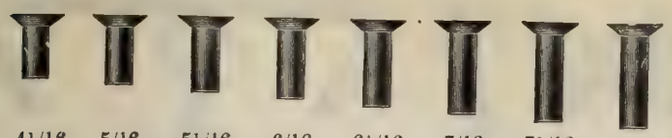
Coppered Steel; Oval Head.

Assorted 5/16 to 12/16.

Made from solid blanks; does not require a hole before, nor burr after inserting; 13/64 inch diameter of wire; 3/8 inch head; length measured from under head; 1,200 rivets assorted in boxes of 100 with rivet holder; 12 boxes in a carton; average weight per carton, 5½ pounds.

Sold only in full cartons.

TUBULAR RIVETS



4½/16 5/16 5½/16 6/16 6½/16 7/16 7½/16 8/16

ASSORTED.

No. 600. List per assortment 2.60

Flat Head; Japanned.

Assorted 4/16 to 10/16.

Made from solid blanks; drilled out holes; 9/64 inch diameter of wire; 5/16 inch head; lengths measured from under head; 600 rivets assorted in boxes of 50; 12 boxes in a carton; average weight per carton, 1¼ pounds.

Sold only in full cartons.

BELT RIVETS

Exact Thickness of Size 10.
length 1 inch.

Exact Thickness of Size 8
length 1 inch.

Length inches.	List per pound.					
	Coppered		Tinned		Copper	
	Size 8	Size 10	Size 8	Size 10	Size 8	Size 10
3/8	.34	.38	.45		.68	.73
7/16	.32		.43			
9/16	.32	.34	.43	.45	.68	.73
5/8	.32					
1/2	.32	.34	.43	.45	.68	.73
3/4	.28	.33	.39	.44	.68	.73
7/8	.28	.33	.39	.44	.68	.73
1	.28	.33	.39	.44	.68	.73
1 1/4	.28				.68	
1 1/2	.28				.68	

Rivets only; without burrs; flat head; slightly tapered shank.

1 pound in a box.

Approximate Number of Copper Belt Rivets and Burrs in One Pound.

Size, ins.	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1¼	1½	Burrs
No. 8	226	208	191	175	155	129	120	108	85	75	490
No. 10	360	320	298	269	248	210	180	163			963

BELT RIVETS AND BURRS

Size 10 Burr — Size 10 — Size 8 — Size 8 Burr

Exact thickness—length 1 inch.

ASSORTED 3/8 to 3/4.

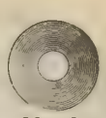
	No. 10	No. 8
Tinned (1/2 lbs.) List per pound		.46
Coppered (1/2 lbs.) List per pound	.46	.46
Coppered (1/4 lbs.) List per pound		.46
Copper (1/2 lbs.) List per pound	.82	.76

Rivets and burrs assorted 3/8 to 3/4 inch; packed in 1/2 pound boxes (No. 8 coppered only in 1/4 pounds also) sold only in full cartons.

5 pounds in a carton.

BURRS for Belt Rivets

No. 10



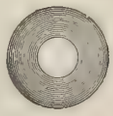
No. 8

Actual sizes.

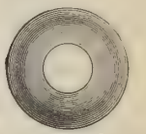
	No. 8	No. 10
Tinned. List pound	.63	.66
Coppered. List pound	.52	.55
Copper. List pound	1.10	1.20
Diameter, inch	1/2	3/8
App. No. in pound	490	963

In 1 pound boxes.

IRON BURRS



No. 6.



No. 3.

Actual sizes.

No.	6	3
List per pound	.54	.39
Diam. hole, inch	3/16	1/4
Diam., outside, inch	5/8	3/8

Black annealed iron burrs.

1 pound in a box.

COTTER PINS or Spring Cotters

Diam. inches	List per 1,000 — Length, Inches.					
	1	1 1/4	1 1/2	1 3/4	2	2 1/2
1/16	.80	....	....	....	....	....
3/32	.80	.90	1.04	....	....	....
1/8	1.16	1.28	1.44	1.60	....	....
5/32	1.60	1.80	2.00	2.20	2.40	....
3/16	2.20	2.50	2.80	....	3.40	4.00
1/4	....	....	....	....	5.80	....

Made from half round bright steel spring wire; lengths are measured from under the eye to point.

1/16 and 3/32 packed 1,000 in a box.
1/8, 5/32 and 3/16 x 1 packed 500 in a box.
3/16 x 1 1/4 and larger, packed 250 in a box.

No. 10. List per dozen boxes 3.00

Automobile Assortment.

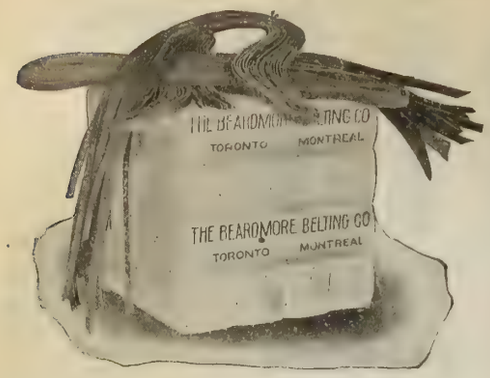
100 cotters, 20 each of the five following sizes:—

No. 16 x 1 in.; No. 15 x ½ in.; No. 14 x 1 in.; No. 13 x ¾ in.; No. 11 x 1½ in.

Packed in a cardboard box with tin bottom and tin screw top, 2¼ inches diameter, 1¾ inches high; average weight per dozen, 4¼ pounds.

1 dozen in a box.

CUT BELT LACES



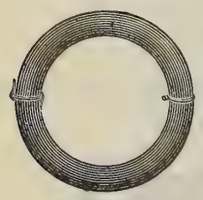
Width, inches	1/4	5/16	3/8	1/2
List per pound	3.60	3.60	3.60	3.60
App. feet to lb.	150	104	70	48

Oak Tanned.

A strictly hand cut lace, from the best part of the hide; has great strength; soft and pliable; used for belts, snow shoes, etc.

1 pound in a carton.

WIRE BELT LACING



"RIVAL"

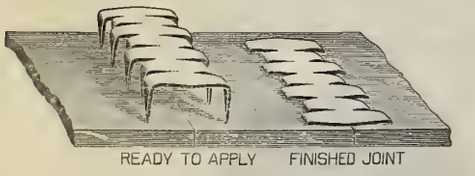
No.	0	1	2
List per coil	.64	.64	.64
Gauge	18½	18	17
For belts, ins.	1 to 2	2 to 6	6 to 20
App. wt. doz., lbs.	3½	4½	5½

Silver Finish

A fine grade wire of great strength; pliable; suitable for all kinds of belts; will make a strong, noiseless joint.

50 feet in a coil, in a carton.

STEEL BELT LACING



"BRISTOL"

No. 111. List per carton 2.50

In Assorted Lengths, Enough to Lace

100 Inches in Belt Width.

Tested cold rolled steel; bright finish; staggered points; .06 inch thick; for all kinds of belts from 3/16 to 1/4 inch thick; makes a smooth, firm joint that will not pull out; a hammer is the only tool required; assorted in 3, 4, 5, 7, and 9 points; average weight per box, 1 1/2 pounds.

Sold only in full boxes.

STEEL BELT LACING

"ALLIGATOR"

No. 35N. List per box 4.80

48 Inches of 12 Inch Lengths,

With Hinge Pins.

For double leather, rubber and textile belts up to 5/16 inch thick; average weight per box, 2 1/4 pounds.

No. 25G. List per box 7.20

96 Inches of 12 Inch Lengths,

With Hinge Pins.

For single leather, rubber and textile belts up to 1/4 inch thick; average weight per box, 2 1/2 pounds.

Hinged Joint.

Made of cold rolled bright steel; double tooth grip; makes a smooth joint without weakening the belt; the hammer is the only tool required; rocker hinge pin consists of two oval faced copper plated steel wires with lugs which prevent it from working out.

In boxes as above.

BELT FASTENERS

Cuts full size.

"BUFFALO"

No. 13. List per 1000 ..... 2.80
For single leather, 3 ply rubber or cotton; 1 thousand in a box; average weight per box, 2 3/4 pounds.

No. 10. List per 1000 ..... 3.50
For double leather, 4 ply rubber or cotton; 1 thousand in a box; average weight per box, 3 3/8 pounds.

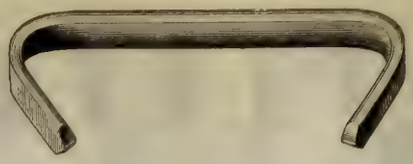
No. 8. List per 1000 ..... 4.90
For double leather, 5 ply rubber or cotton; 1/2 thousand in a box; average weight per box, 3 pounds.

No. 7. List per 1000 ..... 5.60
For double leather, 5 and 6 ply rubber or cotton; 1/4 thousand in a box; average weight per box, 2 pounds.

Specially tempered steel; clipped points; rounded edges; a hammer drives them home; made light to "bed" into the belt.

In boxes as above.

BELT HOOKS



Actual size No. 5.

Actual size No. 7. Astual size No. 10

OVAL, POINTED.

No.	Length, inches.	No. in a box.	App. wt. box, lbs.	List 100
10	1	300	1 1/2	.46
9	1 1/8	300	1 3/4	.46
8	1 5/16	200	1 3/4	.60
7	1 1/2	200	2 1/4	.70
6	1 11/16	200	3	.90
5	2	100	2	1.20

Bright tempered steel; bright finish; oval pointed; for any kind of belts.

Sold only in full boxes.

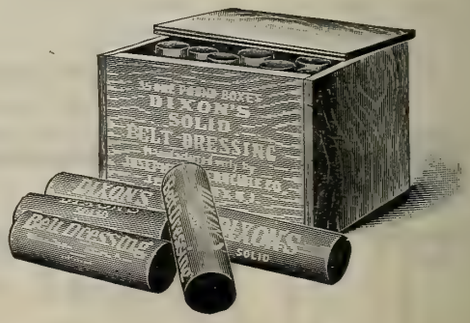
BELT DRESSING

I. X. L. List per dozen 8.00

Solid Bar.

Preserves the belt, stops slipping, increases power, overcomes the trouble caused by belts stretching and shrinking; suitable for any kind of belt; in cardboard covered cylindrical bars 1 3/4 x 9 1/4 inches; average weight each, 1 pound.

3 dozen bars in a carton.



"Dixon's." List per dozen 12.20

Solid Bar.

A superior composition for leather, rubber or textile belts; increases efficiency and stops slipping instantly; applied while belts are in motion; in cardboard covered cylindrical bars 2 x 8 inches; average weight each 1 pound.

2 1/12 dozen (25) bars in a box.

WOOD TACKLE BLOCKS

Single

Double

Length of shell, inches.	For rope, (diam.) ins.	Size Sheave ins.	App. wt. each, pounds Sgl.	App. wt. each, pounds Dbl.	List each Single	List each Double
3	3/8	1¾x½x⅜	¾	1¼	1.40	2.60
4	1/2	2¼x⅝x⅜	1⅜	2½	1.70	3.20
5	5/8	3x¾x⅜	2¼	4	1.80	3.50
6	3/4	3½x1x½	4	6¾	2.20	4.00
7	7/8	4¼x1x½	5	8¼	2.60	4.80
8	1	4¾x1⅛x⅝	8	12	3.30	5.70
10	1 1/8	6¼x1¼x⅝	15	23	5.50	9.00

Regular Inside; Iron Strapped.

For Fibre Rope; Iron Bushed.

Varnished ash shell firmly rivetted; oval edges; wrought iron strapped inside on both sides; improved, loose side (flat) hooks; cast iron sheave; **with beckets.**

Open stock.

STEEL TACKLE BLOCKS

Single

Double

"ANVIL."

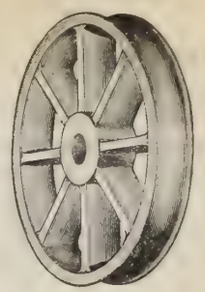
Length of shell, inches.	For rope, (diam.) ins.	Size Sheave ins.	App. wt. each, pounds Sgl.	App. wt. each, pounds Dbl.	List each Single	List each Double
4	1/2	2¾x⅝x⅜	1	1¾	1.30	2.40
5	5/8	3x¾x⅜	2	3	1.40	2.60
6	3/4	3½x1x½	3¼	5	1.70	3.00
7	7/8	4¼x1x½	4½	7½	2.00	3.60
8	1	4¾x1⅛x⅝	7¼	10¾	2.50	4.30

For Fibre Rope; Full Strapped; Iron Bushed; Japanned.

Light steel shell securely rivetted with rounded edges to protect rope; straps extend full length of shell making a strong and rigid block; forged steel loose side hook; with thimble; sheaves are interchangeable with wood blocks.

Open stock.

SHEAVES for Tackle Blocks.



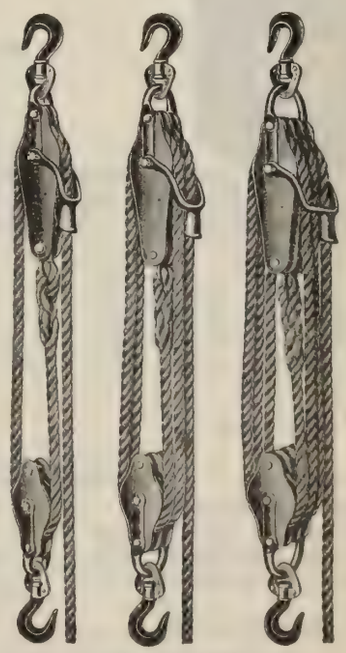
Diam. inches.	For block, inches.	Size, inches.	App. wt. each, lbs.	List per dozen.
1 3/4	3	1¾x½x⅜	1/8	2.70
3	5	3x¾x⅜	5/8	6.30
3 1/2	6	3½x1x½	3/4	4.20
4 1/4	7	4¼x1x½	1¼	9.50
4 3/4	8	4¾x1⅛x⅝	1½	11.40
6 1/4	10	6¼x1¼x⅝	2¾	24.00

Plain Bushed

Japanned cast iron; for regular and wide mortise blocks and heavy steel blocks for manilla rope.

Open stock.

HOISTS



"GIANT STAR"
Without Rope.

No.	For rope, ins.	Diam. inches.	Sheaves above.	Sheaves below.	App. cap., lbs.	Wt. each lbs.	List each.
2	3/8	2	2	2	1000	4	2.60
22	3/8--1/2	2½	2	2	2000	6	5.30
32	1/2--5/8	3	2	2	4000	8	6.80
43	5/8--3/4	4	3	3	6000	18	12.70

Self-Locking; Roller Bearing.

All steel; drop forged, reinforced, extra heavy hooks and yokes with double pressed and rivetted swivel; cold rolled steel bearings; hardened steel axles; quick, safe and easy operating malleable iron lock, can be instantly locked at any point; elevates, lowers, locks and unlocks with one rope only; gray enamel finish.

Open stock.

FIBRE ROPES

PLEASE NOTE:—The extras over base are NET, not subject to discount.

BEST (Pure) MANILA ROPE

Base Price. List per pound ..... .46

Stock sizes are as follows:—

Diameter, Inches.	NET extras per pound over base. Half Coils.	Full Coils.
3/16	.....	.02½
1/4	.....	.02
5/16	.....	.02
3/8	.....	.01½
7/16	.....	.01
1/2	.01	.01
9/16	.01	.01
5/8	.0½	.0½
3/4	Base	Base
7/8	Base	Base
1	Base	Base

Regular Three Strand.

Made of highest quality, selected, pure manila fibre; unexcelled for strength and durability; the fibres average 12 feet in length; coils are well protected with burlap.

In coils and half coils as above.

HEMP HALYARD

1/4-inch. List per pound 1.06

In Coils of 720 Feet.

Three strand rope; made of choice hemp; hard laid; used for signals, plow lines, flag pole ropes, or any purpose where a light rope is required to be exposed to the weather; coils are burlaped.

Coils weigh about 25 pounds.

DEEP SEA LINE

1/4-inch. List per pound 1.06

Cabled Hemp; 720 Foot Coils.

Made of selected hemp; three distinct ropes of three strands each; chiefly used by sailors for sounding purposes; coils are burlaped.

Coils weigh about 25 pounds.

SISAL BALE ROPE

Medium. List per pound ..... .36

2 Thread; Single End.

A strong and serviceable cord used for bundling or baling almost any kind of material; made of the best white sisal; diameter 1/8 inch; about 116 feet to pound; breaking strain, 300 pounds.

In coils of about 50 pounds.

TARRED MARLIN

In Hanks. List per pound ..... .94

Hemp.

Two strands saturated with pine-tar and twisted together; generally used for wrapping riggings; 5-32 inch diameter; approximately 130 feet to pound; hanks weigh about 1 pound each.

1 dozen hanks in a bundle.

BEAVER (BRITISH) MANILA

Base Price. List per pound ..... .40

Stock sizes are as follows:—

Diameter, Inches	NET extras per pound over base. Half Coils.	Full Coils.
3/16	.....	.02½
1/4	.....	.02
5/16	.....	.02
3/8	.....	.01½
7/16	.....	.01
1/2	.01	.01
9/16	.01	.01
5/8	.0½	.0½
3/4	Base	Base
7/8	Base	Base
1	Base	Base

Regular Three Strand.

A special grade of manila rope; for general use; has good quality manila fibre; coils are burlaped.

In coils and half coils as above.

ROPE PACKING

Fine Jute. List per pound ..... .30

Untarred.

Made of fine jute threads in strands; 35 strands loosely "tubed" into coils about 3/4-inch diameter; chiefly used for calking water pipe joints; coils burlaped.

In coils of about 50 pounds.

LATH YARN

Tarred. List per pound ..... .36

Seamed Tarred Sisal.

Single yarn of many threads saturated with pine tar; made of the best sisal fibre; 100 strands loosely "tubed" into coils; approximately 203 feet to the pound, coils are burlaped.

In coils of 50 or 100 pounds.

APPROXIMATE WEIGHTS, LENGTH AND STRENGTH OF MANILLA ROPE.

Diam. Ins.	Cir. Ins.	Feet in 1 pound.	App. feet in full coils.	App wt. per coil (full) pounds.	Strength of new Manilla rope, pounds.	Diam. Ins.	Cir. Ins.	Feet in 1 pound.	App. feet in full coils.	App wt. per coil (full) pounds.	Strength of new Manilla rope, pounds.
3/16	1/2	72	3333	50	480	1 1/4	3¾	2-ft. 5-in.	840	351	12,500
1/4	3/4	57	2750	50	620	1 5/16	4	2-ft. 1-in.	840	400	14,200
5/16	1	41	1820	50	1,000	1 3/8	4¼	1-ft. 10-in.	840	451	16,000
3/8	1⅛	27-ft. 8-in.	1350	50	1,275	1 1/2	4½	1-ft. 8-in.	840	504	17,500
7/16	1¼	18-ft. 9-in.	1200	64	1,750	1 5/8	5	1-ft. 4-in.	840	625	21,500
1/2	1½	14-ft.	1200	90	2,450	1 3/4	5½	1-ft. 1-in.	840	756	25,500
9/16	1¾	10-ft.	1200	120	3,150	2	6	11-in.	840	905	30,000
5/8	2	8-ft.	1200	150	4,000	2 1/8	6½	9½-in.	840	1056	34,000
3/4	2¼	6-ft. 7-in.	840	135	4,900	2 1/4	7	8-in.	840	1225	38,500
13/16	2½	5-ft. 3-in.	840	160	5,900	2 1/2	7½	7-in.	840	1406	43,500
7/8	2¾	4-ft. 6-in.	840	189	7,000	2 5/8	8	6¼-in.	840	1610	49,000
1	3	3-ft. 9-in.	840	225	8,200	3	9	5-in.	840	2025	61,000
1 1/16	3¼	3-ft. 2-in.	840	264	9,500	3 1/8	9½	4½-in.	840	2256	67,000
1 1/8	3½	2-ft. 9-in.	840	306	11,000	3 1/4	10	4-in.	840	2520	73,000

Half Coils Contain One Half of Above.

Manila and Sisal Rope Weigh about the same.

Approximate relative strength of fibre rope expressed in per cent:—Manila 100; British 90; New Zealand 82; Sisal 67.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

ASBESTOS WICK PACKING

1/4 Pound Balls. List per pound ..... .90

Asbestos fibre spun into 4 strands and twisted together; can be separated and used in any desired shape; for small steam and other valve stems; pumps, etc., acid and fire proof; valuable for chemical work, etc.

Open stock.

Medium

Heavy

Extra Heavy

SAMSON ROOFING

Medium. List per roll	5.00
Heavy. List per roll	5.90
Extra Heavy. List per roll	7.30

Strictly a Quality Roofing.

In Rolls 36 Inches Wide, Containing 108 Square Feet.

With Nails and Cement.

A super quality prepared roofing for all kinds of buildings; made throughout of the very best materials and workmanship it has proved itself to be a product that will give outstanding service.

The heaviest dry felt base possible to use is embodied in each grade and is saturated with just the correct percentage of asphalt to preserve it and make it weather-proof, but without adding unnecessary weight.

In the manufacture of Samson Roofing, quality is at no time subordinated to economy and it can be recommended with confidence for the heaviest duty.

Supplied in three weights: "Medium", "Heavy", and "Extra Heavy" weighing approximately 42 pounds, 52 pounds and 62 pounds per roll respectively, **an increase of 7 pounds over the usual standard.**

Roofing should be stood on end and in cold weather warmed before unrolling.

FULLY GUARANTEED

No. 1.

No. 2.

No. 3.

WAVERLEY ROOFING

No. 1.	List per roll	**3.30**
No. 2.	List per roll	**4.20**
No. 3.	List per roll	**5.00**

In Rolls 36 Inches Wide, Containing 108 Square Feet.

With Nails and Cement.

A first class prepared roofing for all kinds of buildings, and though necessarily not as high grade as our "Samson" Roofing, it is well made throughout of excellent materials and workmanship and will give splendid satisfaction.

It is elastic, durable, waterproof and weather-proof and while its quality recommends its use on the better class buildings, its price permits the use on the less expensive constructions.

Supplied in three weights: No. 1, No. 2, and No. 3, weighing approximately 35, 45 and 55 pounds per roll respectively.

THE BEST VALUE OBTAINABLE AT ITS PRICE.

Roofing should be stood on end and in cold weather warmed before unrolling.

ROOFING CEMENT

"PLASTIC ELASTIGUM."

1 Pound Tins. List per dozen 5.60

A cement in gum form; a cure-all for leaky roofs, gutters, skylights, and many other uses; in friction top, lithographed tins, 3⅜ x 3 inches.

Open stock.

ROOFING NAILS

"Ideal."

25-Pound Boxes. List per 100 pounds 19.50

100-Pound Kegs. List per keg 17.50

Bright.

1-Inch; 12 Gauge; 7/16-Inch Head.

Well pointed; scored head; clean punched; approximately 280 in a pound.

Packed as above.

No. 1.

No. 2.

No. 3.

COMET ROOFING

No. 1. List per roll **2.80**

No. 2. List per roll **3.60**

No. 3. List per roll **4.40**

Sanded.

In Rolls 36 Inches Wide, Containing 108 Square Feet.

With Nails and Cement.

A roofing of excellent value; will be found entirely satisfactory where the better grades are not required; good grade felt well saturated; sanded on one size; elastic, durable and water-proof; supplied in three weights:— No. 1, No. 2, No. 3; weighing approximately 35 pounds, 45 pounds and 55 pounds per roll respectively.

A LOW PRICED SERVICEABLE ROOFING

Roofing should be stood on end and in cold weather warmed before unrolling.

ROOFING CEMENT

"EVERLASTIC"

1 Gallon Cans. List per dozen **21.50**

A cement in liquid form that is easily applied; made especially for use on all smooth-surfaced felt-base roofings; will add years of life to this class of roof; fills all cracks and crevices; in lithographed cans 8 inches high, 7 inches diameter, with friction top and heavy coppered wire carrying hnadle; average weight each, 12 pounds.

1 dozen in a crate.

ROOFING CAPS

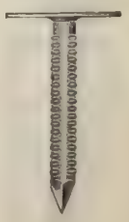
1 1/4-inch. List per 100 pounds **21.00**

Without Nails.

Bright stamped tin; 1 1/4 inch diameter; punched with nail hole; used in laying prepared roofings and building papers, etc., approximately 280 in a pound.

Open stock.

ROOFING NAILS



AMERICAN.
Large Head.

Size 1 x 12. See page 203 for price.

Barbed steel wire nail; 1 inch long; 12 gauge; 5/8 inch diameter head; approximate number in a pound, 195.

In kegs of 100 pounds.

BUILDING PAPER

Or Sheathing.

DRY.

No. 2 Plain. List per roll 1.00

Made of good stock; rolls are 32 inches wide and contain 400 square feet; average weight per roll, 16 pounds.

No. 1 Plain. List per roll ... 2.30

Made from sulphite; one of the strongest building papers; rolls are 32 inches wide and contain 400 square feet; average weight per roll, 14 pounds.

Chiefly used for inside lining.

DRY

Surprise. List per roll 1.50

Dry Fibre Sheathing

A good grade paper made from sulphite and ground pulp; chiefly used for inside lining; rolls are 32 inches wide and contain 400 square feet; average weight per roll, 15 pounds.

BUILDING PAPER

Or Sheathing

IMPERVIOUS SHEATHING

36-inch. List per 100 pounds 10.50

Approximate weight per roll, 55 pounds.

72-inch. List per 100 pounds 10.50

Approximate weight per roll, 85 pounds.

A heavy sheathing of fine stock; made by secret process; for houses, barns, etc.; equally good for inside decoration or outside utility; can be painted, oiled, varnished or whitewashed; keeps out cold; keeps in heat; resists damp; weighs about 1 pound to the square yard.

In rolls 36 and 72 inches wide.

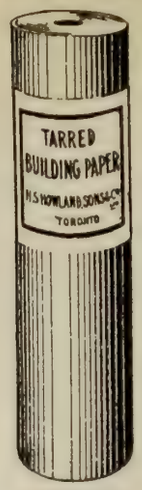
DOUBLE COATED SHEATHING.

7-Ounce. List per roll 3.20

A heavy dry building paper coated on both sides with asphalt; water-proof and odorless; rolls are 36 inches wide and contain 200 square feet; average weight per roll, 25 pounds.

BUILDING PAPER

Or Sheathing



TARRED.

No. 2 Tarred. List per roll ... 1.60

Of good quality; rolls are 32 inches wide and contain 400 square feet; average weight per roll, 25 pounds.

No. 1 Tarred. List per roll ... 2.50

A high grade paper made of sulphite; rolls are 32 inches wide and contain 400 square feet; average weight per roll, 25 pounds.

Tarred Fibre Sheathing.

Carefully and evenly saturated; used for outside lining.

TARRED ROOFING FELT

7-Ounce. List per 100 pounds 6.90
400 square feet in a roll.

10-Ounce. List per 100 pounds 6.90
300 square feet in a roll.

16-Ounce. List per 100 pounds 6.90
200 square feet in a roll.

Commonly used in the "built-up" type of felt and pitch roofs for use on flat surfaces; also recommended as a sheathing under clapboards, temporary roofing, etc.; moisture-proof and wind-proof; the weight in ounces given above is the weight per square yard of the dry felt before saturated; rolls are 32 inches wide, averaging 50 to 55 pounds.

Sold at weights marked on rolls.

CARPET FELT

16-Ounce. List per 100 pounds 7.80

Made of high quality stock; used for laying under carpets as a lining and for deadening sound; also adds to the warmth of the floor; rolls are 36 inches wide and contain 50 square yards; every yard marked; average weight per roll, 50 pounds.

ASBESTOS PAPER

10-Pound. List per 100 pounds 13.50
Weighs 10 pounds per 100 square feet.

14-Pound. List per 100 pounds 13.50
Weighs 14 pounds per 100 square feet.

Made of the best quality of asbestos fibre; possesses the highest fire-proof and non-conducting qualities; invaluable as a protection against fire; used as a sheathing, lining, also for wrapping furnace pipes; in rolls 36 inches wide averaging 50 pounds per roll.

Sold at weights marked on rolls.

CLEVISES

PLOW

No 2808. List per dozen 2.30

Ribbed Pattern; Screw Pin.

Width inside, 3/4 inch; length over all, 3 inches; malleable iron; natural finish; 1/2 inch malleable screw pin with machine cut threads and loop head; average weight per dozen, 6¾ pounds.

Open stock.

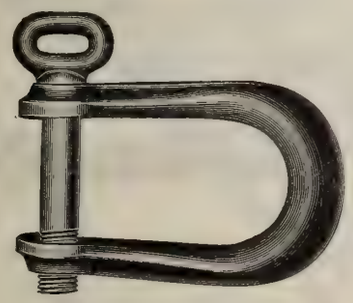
DOUBLETREE.

No.	395	410	430
List per dozen	3.40	3.50	4.20
Inside width, inches	2	2½	2½
Length over all, ins.	4½	4½	6
App. wt. doz., pounds	12¼	13½	16½

Oval Band Pattern; Screw Pin.

Malleable iron; natural finish; 9/16 inch malleable screw pin with machine cut threads and loop head.

Open stock.



DOUBLETREE

No.	555	666
List per dozen	5.20	5.80
Inside width, ins.	2½	2½
Length over all, ins.	7	8
App. wt. doz., pounds	21	22½

Round Pattern; Screw Pin.

Malleable iron; natural finish; 9/16 inch malleable screw pin, with machine cut threads and loop head.

Open stock.

CLEVISES

TWIN NECKYOKE

No. 285. List per dozen 2.00

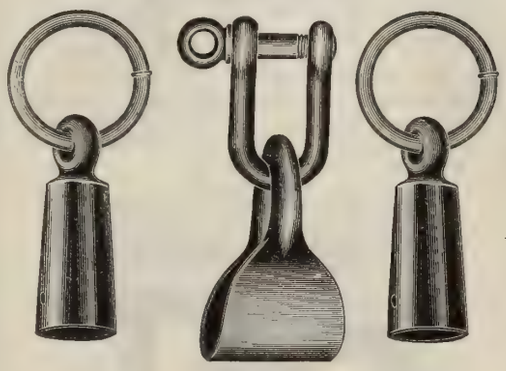
Round Pattern; Screw Pin.

Width inside, 3/4 inch; length over all, 2 1/2 inches; malleable iron; natural finish; 3/8 inch malleable screw pin with machine cut threads and loop head; average weight per dozen, 3 pounds.

Open stock.

NECKYOKE IRONS

In Sets.



TWIN

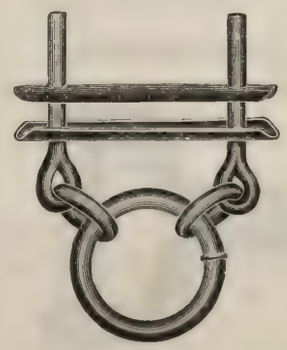
No. 285. List per dozen sets 12.00

Set Consists of:—

2 End Irons, 1 Clevise and 1 Centre Clip.

Malleable end iron and clevise, wrought steel rings and clip, polished. Ferrule 2 5/8 inches long, inside of opening 1 1/8 inches; ring 2 x 9/32 inch; clevise, 3/4 inch wide, 2½ inches long; clip, width inside 1 7/8 inches, round stock 7/16 inch; average weight per dozen sets, 19 1/2 pounds.

Open stock.



CENTRE IRONS

No. 79. List per dozen 8.90

With Centre Plates.

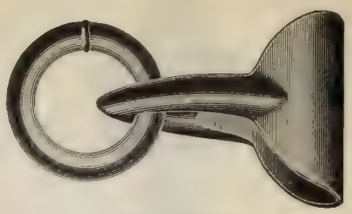
Irons:—Electric welded ring 3½x5/8 inches; 13/16 inch electric welded links; eyes of 1/2 inch stock 6 inches long over all.

Centre Plates:—16 gauge steel; natural finish; 7 1/8 inches long, 1 7/8 inches wide.

Average weight per dozen sets, 37 pounds.

Open stock.

CENTRE CLIPS AND RINGS



SINGLETREE.

No.	37	36
List per dozen	4.00	4.80
Ring, inches	2x½	2x½
Clip loop, inches	9/16	5/8
Inside width clip, ins.	2 3/4	2 5/8
App. weight dozen, lbs.	14	16

Wrought steel; electric welded ring; polished.

Open stock.

FERRULES AND HOOKS

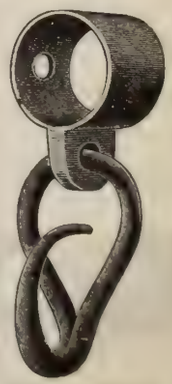
SINGLETREE.

No.	56	55
List dozen	4.70	5.70
Ferrule diam., large end, ins.	1⅝	1⅞
Ferrule diam., small end, ins.	1½	1¾
Hook, stock, ins.	7/16	7/16
App. wt. dozen, lbs.	10	11½

To pull from back of Ferrule.

Heavy malleable iron ferrule; wrought steel hook; polished.

Open stock.



SINGLETREE.

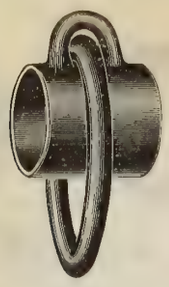
No.	61	60
List dozen	5.30	6.60
Ferrule diam., large end, ins.	1⅝	1⅞
Ferrule diam., small end, ins.	1½	1¾
Hook, stock, inches	7/16	7/16
App. wt. dozen, pounds	9	11

To pull direct from Ferrule.

Heavy malleable iron ferrule with heavy lug; wrought steel hook; polished.

Open stock.

FERRULES AND RINGS



No.	81	80
List dozen	4.10	5.30
Ferrule diam., large end, ins.	1⅝	1⅞
Ferrule diam., small end, ins.	1½	1¾
Ring, inches	3x7/16	3x7/16
App. wt. doz., pounds	9	10

To pull from back of Ferrule.

Malleable iron ferrule; wrought steel ring, electric welded; polished; used with grab link chain.

Open stock.

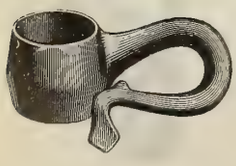
No.	83	82	84
List dozen	4.70	6.20	6.20
Ferrule diam., in., large	1⅝	1⅞	1⅞
Ferrule diam., in., small	1½	1¾	1¾
Ring, inches	2x7/16	2x7/16	3x7/16
App. wt. doz., lbs.	8¼	10	11½

To pull direct from Ferrule.

Extra heavy; malleable iron ferrule; electric welded wrought steel ring; heavy lug; polished; used with grab-link chain.

Open stock.

WHIFFLETREE HOOKS



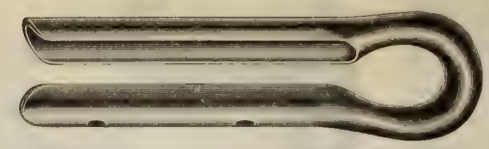
No.	120B	120C
List dozen (single)	2.10	2.40
Inside diameter Ferrule, ins.		
Small end	1⅛	1¼
Large end	1 3/16	1 5/16
App. wt. doz., pounds	5¾	6

Right and Left Hand.

Malleable iron; polished; right and left hand bent hooks; orders are filled with half lefts and half rights.

Open stock.

ROPE TRACE CLIPS



No. 998. List per dozen 3.00

For 3/4 and 1 inch Rope.

Malleable iron; polished; 1 1/2 inch bow of 15/32 inch stock; tongues 4 inches long, 15/16 inches wide; drilled for two No. 8 rivets; avreage weight per dozen, 5¼ pounds.

Open stock.

WHIFFLETREE COCKEYES

No. 75A. List per dozen ..... .60

Malleable iron; 3/8 inch screw shank with cast threads; 3 1/4 inches long over all; average weight per dozen, 1 1/2 pounds.

Open stock.

SCREW COCKEYES

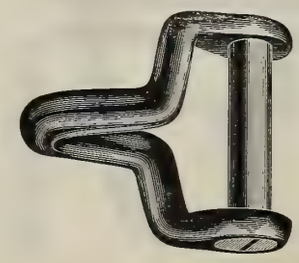
Size, inches	1 1/2	1 3/4
List dozen	1.80	2.30
App. wt. doz., lbs.	2½	3
Dozen in a box.	3	2

With Roller.

Japanned malleable iron; solid eye; flat head screw.

Packed as above.

UTILITY COCKEYES



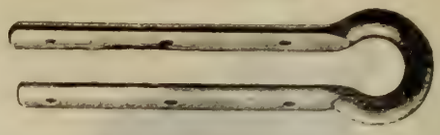
No.	980J	980L	980N
List dozen	2.00	2.20	2.70
Width inside, ins.	1½	1¾	2
App. wt. doz., lbs.	2¾	3	5

With Roller and Screw.

Black enamelled, selected malleable iron; 7/16 inch twisted loop, 5/8 inches wide inside; 7/32 inch flat head screw with machine cut threads.

2 dozen in a box.

HAME CLIPS



No. 982. List per dozen 1.20

3/8 inch; for Wood Hames.

Polished wrought iron; 3/8 inch round at loop; 11/16 inch wide inside; bevelled edge flat tongues with holes for 3/16 inch rivets; length over all, 4¼ inches; average weight per dozen, 2¾ pounds.

2 dozen in a box.

"CONCORD"

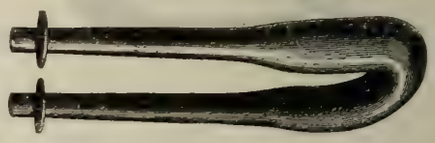
No. 989. Size, inches	1 1/2	1 3/4	2
List dozen	1.60	2.10	2.30
Width, inches	1 1/2	1 3/4	2
Length, inches	4 1/4	4 7/8	4 7/8
App. wt. doz., lbs.	3 1/2	4 1/2	5

Japanned

Wrought steel; flat pattern; tongues are drilled with holes for 3/16 inch rivets.

2 dozen in a box.

HAME STAPLES



No. 960. List per dozen 1.10

With Burrs.

Polished wrought iron; for wood hames; 3/16 inch loop, 7/8 inch wide inside; tapered shanks with burrs; length of shank to shoulder 2 1/2 inches; length over all 3 5/8 inches; average weight per dozen, 1 3/4 pounds.

2 dozen in a box.

HAME FASTENERS

Kling. List per single dozen 8.00

X. C. Tinned; 6 Link.

Made of high grade malleable iron, thoroughly tinned; strong and durable; can be used on any steel or wooden hame; 3/16 inch electric welded links; swivel snap; new design chain hook which is automatically locked when closed; length over all closed, 11 inches; average weight per dozen, 7 1/2 pounds.

1 dozen in a box.

SHAFT SPLICERS

"Hercules." List per dozen 8.40

28 gauge black enamelled, double seamed steel tube; double thickness for 10 inches from the large end; hardwood filler 20 inches long; nickel plated steel, riveted tip; 1½-inch opening; used to repair broken shaft ends; average weight per dozen, 18 pounds.

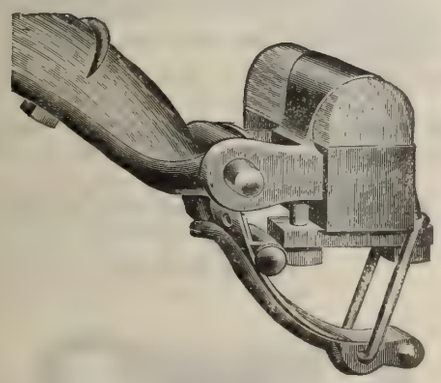
Open stock (paper wrapped).

ANTI-RATTLERS

Johnson's. List per dozen pairs 4.20

Black japanned steel spring wire of 13 gauge; malleable iron plate; fits any shaft; overcomes squeaking and prevents wear; average weight per dozen pairs, 3 pounds.

1 dozen pairs in a box.



FERNALD "QUICK-SHIFT"

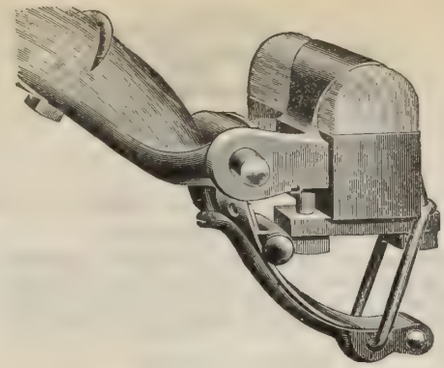
3/8-inch (bolt). List dozen pairs 10.80

Black Japanned.

All steel; high grade crucible, oil tempered spring; quickly attached to shaft eye; buggy can be changed from pole to shafts or shafts to pole without tools of any kind; also stops rattling and squeaking; average weight per dozen pairs, 7½ pounds; in cartons of 1 pair.

1 dozen pairs in a box.

ANTI-RATTLERS



FERNALD "QUICK-SHIFT."

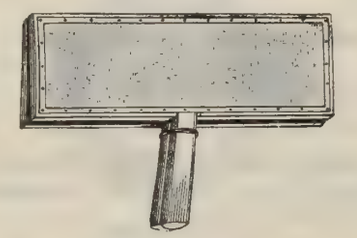
7/16-inch (bolt). List per dozen pairs ... 10.80

Black Japanned.

All steel; high grade crucible oil tempered spring; quickly attached to shaft eye; buggy can be changed from pole to shafts or shafts to pole without tools of any kind; also stops rattling and squeaking; average weight per dozen pairs, 9 pounds; in cartons of 1 pair.

1 dozen pairs in a box.

WOOL CARDS



No. 8-B. List per dozen pairs 33.60

Plain hardwood back, 9¼ x 4⅛ inches; 4¾ inch plain hardwood handle, mortised and nailed to back; bright spring steel bent and stapled wires, heavy leather face and binding tacked to back; average weight per dozen pairs, 13 pounds.

Open stock.

BRIDLE BITS

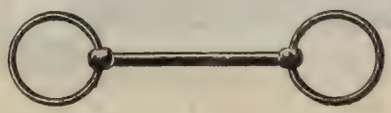
RING BITS

No. 37. List per dozen 3.60

Stiff Mouth; Medium.

XC plate; (tinned) malleable iron bar 5 1/2 x 3/8 inch; loose rings 1/2 x 7/32 inch; average weight per dozen, 5 pounds.

1 dozen in a box.



RING BITS.

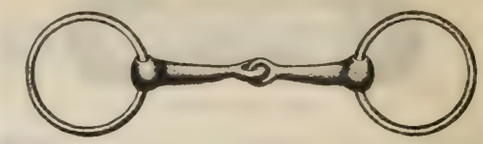
No. 47. List per dozen 4.20

Stiff Mouth; Heavy.

XC plate (tinned); forged bar 5 1/4 x 7/16 inch; loose rings 2 3/4 x 7/32 inch; average weight per dozen, 7 1/2 pounds.

1 dozen in a box.

BRIDLE BITS



RING BITS.

No. 137. List per dozen 4.20

Jointed Mouth; Medium.

XC Plate; (tinned) malleable iron bar 5 1/2 x 3/8 inch; loose rings 2 1/2 x 7/32 inch; average weight per dozen, 5 pounds.

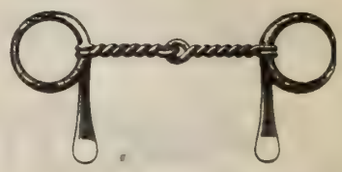
1 dozen in a box.

J. I. C. List per dozen 7.30

X.C. Plate; (Tinned) Driving Bits

Double steel wire mouth 5 inches long; 1 1/8 inch malleable loose line rings; 4 1/4 inch malleable cheek with 7/8 inch cheek loops; average weight per dozen, 4 1/2 pounds.

1 dozen in a box.

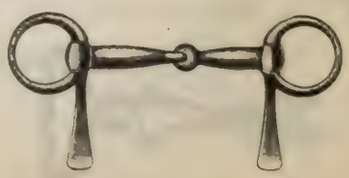


No. 521. List per dozen 5.70

Single Mouth; Half Cheek
Jointed Wire

XC Plate (tinned); 8 gauge single steel wire twisted mouth, 5 3/4 inches; 1 3/4 x 7/32 inch malleable loose rings and 3 inch curved spoon cheeks cast in one piece; average weight per dozen, 5 pounds.

1 dozen in a box.



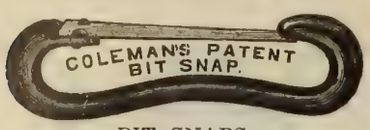
No. 515. List per dozen 6.00

Jointed Mouth; Half Cheek.

XC Plate (tinned); malleable iron mouth 4 3/4 x 15/16 inches; malleable loose rings 2 x 1/4 inch with 3 inch cheeks cast in one piece; average weight per dozen, 9 1/2 pounds.

1/2 dozen in a box.

HARNESS SNAPS



BIT SNAPS

Coleman. List per gross 12.00

Bronze Lacquered.
Bronzed malleable iron casting; rivetted, tempered steel spring; length over all, 2 3/8 inches; 3/8 inch end opening; average weight per gross, 10 1/2 pounds.
1/2 gross in a box.

BIT SNAPS

No. 421. List per gross 13.20

X. C. Plate (Tinned).
A good weight malleable snap with "sure-fast" nose to hold the spring; aluminized flat steel spring; rust proof; length over all 2 3/8 inches; 3/8 inch end opening; average weight per gross, 9 pounds.
1/2 gross in a box.

No. 222—BABY

Eye, inch	3/8
List per gross	5.30
App. weight gross, lbs.	2

Round Eye; X.C. Plate (tinned)
Malleable iron; aluminized steel spring; rust proof; length over all, 1 15/16 inch.
1 gross in a box.

No. 220—BABY

Loop, inch	1/2	5/8
List per gross	6.70	7.30
App. weight gross, pounds	2¾	3

Square Loop; Nickel Plated.
Malleable iron; aluminized steel spring; rust proof; length over all 1 11/16 inch.
1 gross in a box.

"KLINGSNAP."

No. 1503 x 1 inch. List per gross 8.50

Square Loop; (tinned).
One-piece; 9 gauge spring steel wire; 1 inch loop; length over all, 2 5/8 inches; quickly attached and detached; average weight per gross, 8 pounds.
1/2 gross in a box.

HARNESS SNAPS

"KLINGSNAP."

No. 1508 x 3/4 inch. List per gross 9.00

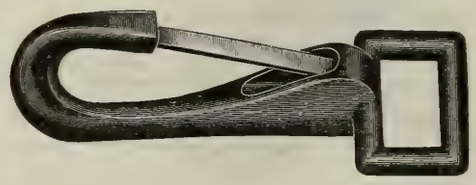
Round Eye; (Coppered)
One-piece; made of 7 gauge coppered spring steel wire; 3/4 inch eye; length over all 3 7/16 inch; quickly attached and detached; average weight per gross, 12 pounds.
1/2 gross in a box.

No. 424—"CHAMPION"

Loop, inch	3/4	7/8	1
List gross	10.80	10.80	10.80
App. wt. gross, lbs.	9½	10	11¼
Gross in a box	1/2	1/2	1/2

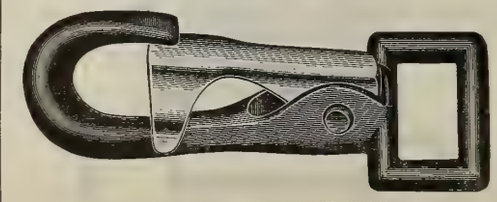
Loop, inch.	1 1/4	1 1/2	1 3/4	2
List gross	17.60	19.50	21.60	25.20
App. wt. gr., lbs.	23	24½	27½	30
Gross in a box	1/4	1/4	1/4	1/4

Square Loop; X. C. Plate (Tinned)
Malleable iron; well made; aluminized steel spring; rust proof.
Packed as above.



No. 155 x Loop, inch	1
List gross	11.40
Length, inches	3
App. wt. gross, lbs.	16

Square Loop; Imitation Rubber Finish.
A heavy and durable snap for hard work; malleable iron; sure fast; gilt steel spring; rust proof.
1/2 gross in a box.



No. 444—"BUCKEYE"

Loop, inch	1	1 1/4	1 1/2	1 3/4
List gross	14.80	22.80	26.00	30.50
App. wt. gross, lb.	16	26	30	36
Gross in a box	1/2	1/4	1/4	1/4

Square Loop; Nubia Finish (Black).
Malleable iron; stamped steel gilt tongue; aluminized flat spring; easy to use; secure.
Packed as above.

HARNESS SNAPS

No. 290—"EMPIRE"

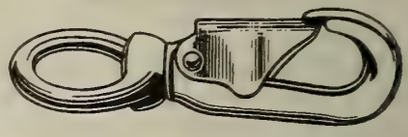
Loop, inch	1 1/8
List gross	16.50
Length, inches	3
App. wt. gross, lbs.	17

Square Loop; X.C. Plate (Tinned)
A heavy and durable snap for hard work; long shank; malleable iron; sure fast aluminized steel spring; rust proof.
1/4 gross in a box.

No. 422—"CHAMPION"

Eye, inch	5/8	3/4	7/8	1
List gross	12.00	12.00	16.80	18.50
App. wt. gross, lbs.	9	10	11	12

Round Eye; X.C. Plate (Tinned)
Malleable iron; aluminized, rustless steel spring.
1/2 gross in a box.



No. 289—SWIVEL

Eye, inch	3/4	7/8	1
List gross	25.20	27.60	42.00
App. wt. gross, lbs.	21	29	31

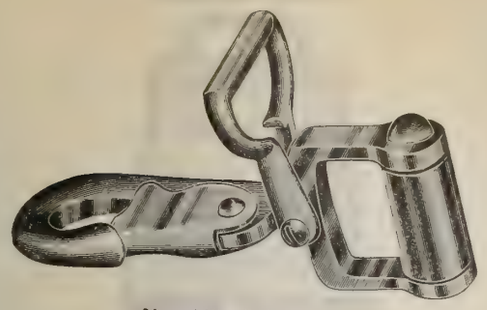
Round Eye; X. C. Plate (Tinned)
Malleable iron; stamped steel tongue; spiral wire spring; rust-proof.
1/4 gross in a box.

BREAST CHAIN

No. 446. List per dozen 4.20

Double Snap; Nubia Finish (Black)
Heavy malleable iron casting; pressed steel gilt tongues with spiral wire springs; 3/4 inch openings; length over all 5 1/4 inches; designed to withstand the severest strains; average weight per dozen, 4 1/4 pounds.
2 dozen in a box.

HARNESS SNAPS



No. 442—ROLLER.

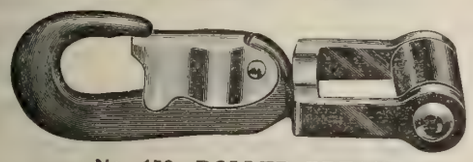
1 3/4 inch. List per dozen 10.00

X.C. Plate (Tinned); Black Roller.

With Choke Strap Loop.

Solid malleable iron castings; pressed steel tongue with spiral wire spring; rivetted, loose iron roller 1 3/4 inches wide; interchangeable choke strap loop, 1 7/8 inches wide inside; attached with removable screw bolt; length over all 5 1/2 inches; average weight per dozen, 11 1/2 pounds.

1/2 dozen in a box.



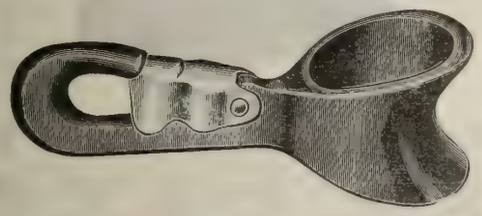
No. 150—ROLLER BREAST.

Size, inches	1 1/2	1 3/4	2
List per dozen	6.00	6.50	7.20
Width of roller, ins. ..	1 1/2	1 3/4	2
Length over all, ins...	5 1/2	5 3/4	5 3/4
App. wt. doz., lbs. ...	8	8 1/2	9

X.C. Plate (Tinned); Black Roller

Solid malleable iron casting; pressed steel tongue with wire spiral spring; rivetted, loose iron roller. A heavy snap made for the hardest kind of work.

1 dozen in a box.



BREAST CHAIN.

No. 445. List per dozen 7.20

Centre Snap; Nubia Finish (Black)

Heavy malleable iron casting; pressed steel gilt tongue with spiral wire spring; arched opening 1¼ inches wide inside; length over all 5¼ inches; average weight per dozen, 8 pounds.

1/2 dozen in a box.

HARNESS RINGS

Tinned—

Diam., (inside), inches	1/2	3/4
List per gross	2.00	2.20
App. wt. gross, lbs.	1¼	2

X. C. Plate (Tinned).

Malleable iron; 3/32 inch wire.

1/2 gross in a box.

HARNESS RINGS

Japanned.

Diameter (inside) Inches.	Size wire. Ins.	App. wt. gross. Lbs.	List per gross.
3/4	5/32	2	1.80
1	5/32	3¼	2.60
1 1/4	7/32	6¼	4.50
1 1/2	7/32	8	5.50
1 3/4	1/4	13	6.50
2	1/4	14	7.20

3/4 and 1 inch—malleable iron.
1 gross in a box.
1 1/4 to 2 inch—steel breeching rings.
1/2 gross in a box.

AXLE WASHERS

Nut Washers.

No.	Axle size Ins.	Inside diam. Ins.	Outside diam. Ins.	List per 100
15	7/8	13/16	1 1/8	2.90
28	15/16	7/8	1 3/16	2.90
41	1	15/16	1 1/4	2.90

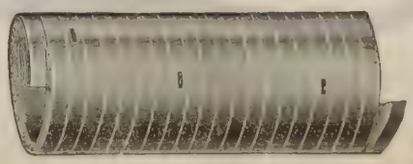
Collar Washers.

No.	Axle size Ins.	Inside diam. Ins.	Outside diam. Ins.	List per 100
68	7/8	1 1/16	1 7/16	3.70
81	15/16	1 1/8	1 1/2	4.20

Made from special grade flexible vulcanized wood fibre, 1/8 inch thick; machine cut; average weight per box, 3/8 pound.

1 hundred in a box.

AXLE WASHERS



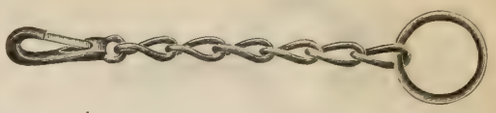
ADJUSTABLE COIL.

1-inch. List per dozen boxes 6.00

Made of high grade oak tan leather, cut fully in size; adjustable for nut or collar; in coils of 20 washers. Average weight per dozen boxes, 6 pounds.

1 hundred (5 coils) in a box.

SPREADER CHAINS



No. 30. List per dozen 2.20

Nickeled Bit or Rein Chains.

Six twisted links of 9 1/2 gauge wire; wrought steel ring 1 3/4 x 7/32 inch; 5/8 inch round eye snap; length over all 11 inches; average weight per dozen, 2 3/4 pounds.

3 dozen in a box.

BUGGY WRENCHES

No.	7324B	7324C

See page 146 for prices.

Length, inches	9	9
Axle nut, inches	7/8	1
Cap nut, inches	1½	1½
App. wt. doz., lbs.	7	7

Malleable iron; natural finish; for carriage axle and cap nuts; with 1/2, 5/8 and 3/4 inch openings in one end for nuts.

Open stock.

HITCHING RINGS

No. 25. List per dozen 3.30

Wrought Steel Ring and Screw

Plain finish; ring 2 1/2 inches outside diameter, of 5/16 inch round iron; 3/8 inch screw, 3 5/8 inches long over all; average weight per box, 3 pounds.

10/12 dozen in a box.

No. 5. List per dozen 4.40

Malleable Ring; Steel Screw.

Natural finish; ring 1 3/4 inch inside diameter, 2 1/4 inch outside diameter, 1/4 inch round iron; 11/32 inch screw, 3½ inches long over all; average weight per dozen, 2 1/2 pounds.

10/12 dozen in a box.

CATTLE LEADERS

No. 52. List per dozen 3.60

Plain cast iron; rivetted joint; spiral wire spring; ball tipped jaws; length over all, 4 5/8 inches; width of bow 2 1/4 inches; average weight per dozen, 4 1/2 pounds.

1 dozen in a box.

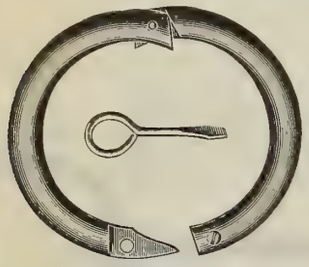
BULL RINGS

No.	21	22
List dozen	6.80	7.50
Diam., inches	2½	3
Metal, inches	5/16	5/16
App. wt. doz., lbs.	2¼	2¾

Polished Copper.

Rivet pivot joint; set screw joint fastener; each ring supplied with steel wire screw-driver.

1 dozen in a box.



SELF-PIERCING.

No.	31	52½
List dozen	7.90	10.00
Size, inches	2½	2½
Metal, inches	5/16	3/8
App. wt. doz., lbs.	2¼	3¼
Dozen in a box	5/6	1

Polished Copper.

Rivet pivot joint; set screw fastening; steel wire screw driver with each ring; each ring its own punch; lessens danger and pain to the animal.

Packed as above.

BULL SNAPS

No. 500. List per dozen 25.20

With Chain and Screw Eyes.

C. Plate (Tinned) malleable iron; 7 1/4 inches long over all; socket 1 inch diameter at end; spring bolt with 3 feet of No. 14 single link steel jack chain and 7/8 inch ring; 4 tinned screw eyes; for use with any length handle or pole; average weight per box, 3 3/4 pounds.

5/12 dozen in a box.

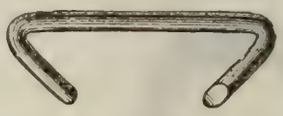
HOG SCRAPERS

No. 50. List per dozen 3.50

Polished iron blade, 3 7/8 inches diameter; hardwood handle 4¼ inches long, 1 3/16 inch diameter; blade is secured by bolt which extends through the handle and is fastened with a nut inside of scraper; average weight per dozen, 3 1/2 lbs.

1 dozen in a box.

HOG RINGS



Open.

Closed.

No.	Length open, inches.	Wire gauge. No.	App. wt. 1,000. Lbs.	List per 1,000
1	17/16	13	3¾	1.60
2	19/16	13	4	1.60
3	1 1/4	13	4¾	1.60
4	1 1/2	12	6	2.30
5	1 5/8	12	7	2.30

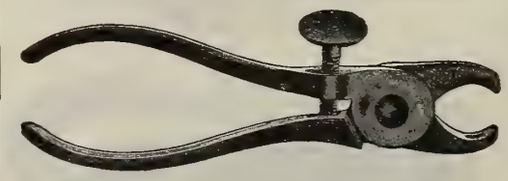
1, 2, 3 Assorted. List per 1,000 ..... 1.60

3, 4, 5 Assorted. List per 1,000 ..... 2.30

Coppered soft steel wire; cut points; triangular shaped when closed.

1/10 thousand in a box.

HOG RINGERS



No. 1. List per dozen 2.90

Japanned, cast iron.

No. 2. List per dozen 5.30

Lacquered, malleable iron.

Adjustable.

Length over all, 6 1/2 inches; threaded adjusting thumb nut; closes all the above hog rings; average weight per dozen, 4 1 /2 pounds.

1 dozen in a box.

COW BELLS

"HOLSTEIN"

No.	Size of mouth. Inches.	Height, Inches.	App. wt. dozen. Lbs.	List per dozen.
7	2¼x1¾	2½	3	5.50
6	2½x1¾	2¾	3¼	6.20
5	3 x2	3½	6	7.50
4	3½x2½	4¼	10½	8.00
3	4¼x2½	4¾	13	9.30
2	4½x2¾	5⅝	16	12.00
1	5 x3¼	6¼	22	14.50
0	5½x3½	7	25	18.00

Bronzed steel; rivetted seams and loop; cast iron ball clapper; measure of height is without loop.

Open stock.

"NAVAJO."

No.	13½	17	19	15
List dozen	6.00	7.30	8.40	9.50
Diam., inches	3¾	3⅞	4½	5
Height, inches	2⅜	3	3	3½
Loop, inches	1¼	1¾	2½	2½
App. wt. doz., lbs.	9½	8	10½	12

Copper Plated.

Seamless steel stamped bell; broad stamped steel loop firmly fastened; cast iron 4 point clapper, suspended by wire from ends of loop which extend through top of bell; measure of height is without loop.

1/2 dozen in a package.

BELL STRAPS

No. 45.

Width, inches	1 1/4	1 1/2
List dozen	13.30	15.20
Length, inches	42	42
App. wt. doz., lbs.	6¾	7

Heavy russet tanned leather, creased edge; rivetted-in tinned malleable iron roller buckle; one tinned malleable iron sliding loop.

Open stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

BULL RINGS

SELF-PIERCING.

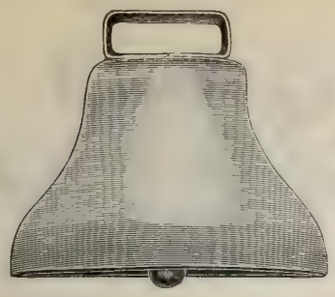
No. 25. List per dozen **43.20**

Pure Bronze Cannon Metal.

Diameter 3½ inches; 7/16 inch metal; rivet pivot joint; set screw joint fastener; without screwdriver, as any small screwdriver will open this size; average weight per dozen, 5 pounds.

1/6 dozen in a box.

TEAM BELLS

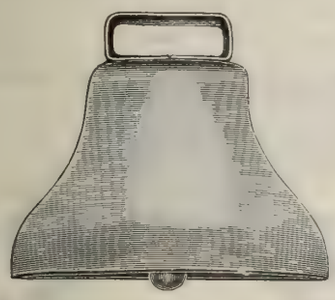


No.	400	500
List dozen	2.40	2.70
Diam, inches	2 7/8	3 3/8
Height, inches	1 7/8	2 1/4
For strap, inches	1 1/4	1 1/4
App. wt. doz., lbs.	3 1/4	4

Copper Plated.

Seamless wrought steel bell and loop; cast iron ball clapper suspended by wire from end of loop which extends through top of bell; uniform in tone; will not crack; measurement of height is without loop.

1 dozen in a parcel.



No.	410	510
List dozen	2.60	2.90
Diam., inches	2 7/8	3 3/8
Height, inches.	1 7/8	2 1/4
For strap, inches	1 1/4	1 1/4
App. wt. doz., lbs.	3 1/4	4

Nickel Plated.

Seamless wrought steel bell and loop; cast iron ball clapper suspended by wire from end of loop which extends through top of bell; uniform in tone; will not crack; measurement of height is without loop.

1 dozen in a parcel.

YORK EYE

No.	10	12	14
List dozen	4.80	5.70	6.60
Diam., inches	2	2⅛	2¼
Height, inches	1¾	2	2¼
App. wt. doz., lbs.	2	3	3¼

Pear Shape; Nickel Plated.

Cast bell metal, nickel plated and highly polished; malleable iron strap loop for 1/2 inch strap; iron ball clapper suspended by wire from loop lug, measurement of height does not include loop.

2 dozen in a box.

TEAM BELLS

HEAVY ROUGH.

No.	1	2	3
List dozen	5.70	7.20	8.50
Diam., inches	2¾	3	3¼
Height, inches	2¼	2½	2⅝
For strap, inches	⅞	⅞	⅞
App. wt. dozen, lbs.	4½	5	6

With Polished Rims.

Made of pure cast bell metal; flared bottom; plated malleable iron loop; cast iron ball clapper suspended from loop lug by wire.

1 dozen in a package.

HEAVY POLISHED.

No.	2	3	4
List dozen	8.40	9.60	14.40
Diam., inches	3	3¼	3¾
Height, inches	2½	2⅝	3
For strap, inches	⅞	⅞	⅞
App wt. doz., lbs.	5	6	10½

Full Polished.

Made of pure cast bell metal; flared bottom; plated malleable iron loop; cast iron ball clapper suspended from loop lug by wire.

1 dozen in a package.

HEAVY NICKEL PLATED.

No.	2	3
List dozen	8.50	10.00
Diam., inches	3	3¼
Height, inches	2½	2⅝
For strap, inches	⅞	⅞
App. wt. dozen, lbs.	5	6

Nickel Plated.

Made of pure cast bell metal; flared bottom; plated malleable iron loop; cast iron ball clapper suspended from loop lug by wire.

1 dozen in a package.

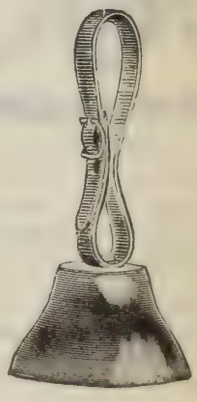
TEAM BELLS

SWISS

No.	1	2	3	4
List dozen	8.40	10.80	13.50	16.80
Diam., inches	3	3¼	3 11/16	3⅞
Height, inches	2	2¼	2½	3
For strap, ins.	1¼	1¼	1½	1½
App. wt. doz., lbs.	6	8¼	10½	13½

Cast from pure bell metal; ornamented; rough finish with polished bands; iron ball clapper suspended by wire from loop lug which extends through top of bell; measure of the height is without loop.

1 dozen in a package.



STRAPPED COLLAR BELLS

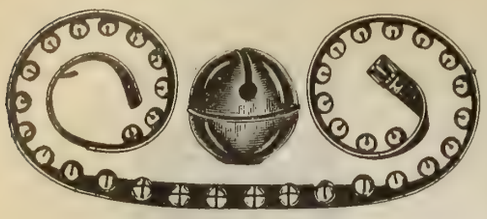
No.	101	102
List dozen	2.70	2.90
Diam., inches	2⅜	2½
Height, inches	1⅜	1⅝
App. wt. dozen, lbs.	1½	2

Nickel Plated.

Stamped steel bell with rivetted buckled strap; iron ball clapper; used as team or sheep bells.

1 dozen in a bundle.

SLEIGH BELLS
on Body Straps.



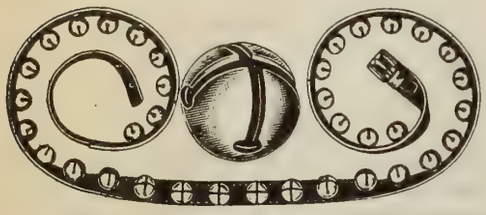
ALASKA

No. 016. List per strap 3.80

50 Bells; Nickel Plated.

Sheet brass bells, 1 inch diameter; securely rivetted to black leather strap 8 1/2 feet long, 7/8 inches wide, with buckle and billet; average weight per strap, 21 ounces.

2 straps in a package.



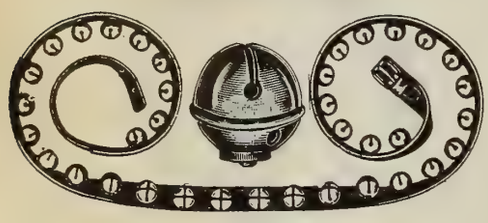
CENTENNIAL.

No. 424. List per strap 6.40

30 Bells; Polished Brass.

Heavy brass bells, 1 1/4 inches diameter; securely rivetted to heavy russet leather strap 8 1/2 feet long, 1 inch wide, with buckle and billet; average weight per strap, 2 1/2 pounds.

2 straps in a package.



DEXTER

No. 056. List per strap 4.00

24 Bells; Nickel Plated.

Sheet steel bells 1 1/2 inches diameter; average weight per strap, 1 1/2 pounds.

No. 047. List per strap. 3.10

30 Bells; Nickel Plated.

Sheet steel bells 1 1/8 inches diameter; average weight per strap, 1 1/4 pounds.

No. 049. List per strap 4.20

50 Bells; Nickel Plated.

Sheet steel bells 1 1/8 inches diameter; average weight per strap, 1 1/2 pounds.

No. 49G. List per strap 5.40

50 Bells; Gilt.

Sheet brass bells 1 1/8 inches diameter; average weight per strap, 2 pounds.

No. 49. List per strap 5.80

50 Bells; Nickel Plated.

Sheet brass bells 1 1/8 inches diameter; average weight per strap, 2 pounds.

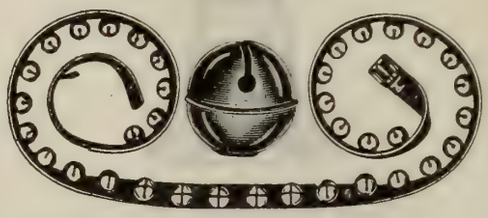
All the above bells are securely rivetted to good heavy leather strap 8 1/2 feet long, 1 inch wide with buckle and billet.

2 straps in a package.

SLEIGH BELLS

Body or Back

SLEIGH BELLS
on Back Straps.



ALASKA

No. 010. List per strap 1.10

12 Bells; Nickel Plated.

Sheet brass bells 1 inch diameter; securely rivetted to good leather strap 4 feet long, 7/8 inches wide with loops and buckles at each end; average weight per strap, 1/2 pound.

2 Straps in a package.

QUEBEC.

No. 110. List per strap 1.50

4 Bells; 16 inch strap; approximate weight per strap, 1 pound.

No. 111. List per strap 1.90

6 Bells; 24 inch strap; approximate weight per strap, 1 1/2 pounds.

Nickel Plated.

Sheet steel bells 2 1/2 inches diameter securely rivetted on straps 2 inches wide; with loop in centre.

2 straps in a package.

SLEIGH BELLS
On Back Straps.

VICTORIA

No. 0469½. List per strap 3.50

Two 2 inch and two 2¼ inch bells; average weight per strap, 1 1/4 pounds.

No. 0469. List per strap 4.00

Two 2 inch and two 2½ inch bells; average weight per strap, 1 1/2 pounds.

No. 0478. List per strap 4.80

Two 2 1/4 and two 2 3/4 inch bells; average weight per strap, 2 pounds.

All 4 Bells.

Solid wrought brass bells, highly polished; clear and pleasing in tone; securely fastened to good quality wide double leather strap 16 inches long with leather sliding loops and centre strap and buckle to attach to harness.

1 in a package.

SWEDISH

No. 477. List per strap 5.60

4 Bells; Highly Polished.

With two 2 1/4 and two 2 7/8 inch bells; 16 x 2 1/4 inch leather strap; average weight per strap, 2 3/4 pounds.

No. 479. List per strap 5.80

4 Bells; Nickel Plated.

With two 2 1/4 and two 2 7/8 inch bells; 16 x 2 1/4 inch leather strap; average weight per strap, 2 3/4 pounds.

No. 0472. List per strap 6.40

4 Bells; Highly Polished.

With two 2 1/4 and two 3 inch bells; 16 x 2 1/4 inch leather strap; average weight per strap, 2 3/4 pounds.

No. 480. List per strap 8.00

6 Bells; Highly Polished.

With two 2, two 2 1/4 and two 3 inch bells; 21 x 2 1/4 inch leather strap; average weight per strap, 3 1/2 pounds.

Swedish Sleigh Bells; pure cast bell metal bells; varying in thickness and size; clear and pleasing tones; securely fastened to fine quality double leather strap with sliding loops, also centre strap and buckle to attach to harness.

1 in a package.

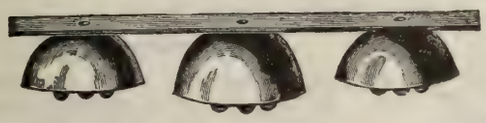
SHAFT CHIMES

No. 6. List per pair ..... .60

2 Bells; Nickel Plated.

Stamped steel chimes; harmonized; 2 3/8 inches diameter; each with two cast iron ball clappers; rivetted to japanned iron strap 7 3/4 x 3/4 inch; to fasten on under side of shaft; average weight per pair, 3/4 pounds.

1 pair in a package.



No. 7. List per pair 1.00

3 Bells; Nickel Plated.

Stamped steel chimes; two 2 1/4 and one 2 1/2 inches diameter, each with two cast iron ball clappers; securely rivetted to iron strap 11 x 3/4 inches; to fasten on under side of shaft; average weight per pair, 1 1/8 pounds.

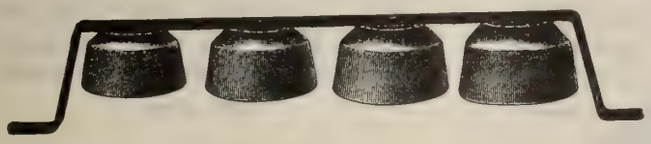
1 pair in a package.

No. 200. List per pair 1.30

3 Bells; Nickel Plated.

Bevel stamped steel bells, one 2 3/8 and two 2 3/16 inch diameter with two ball clappers each; rivetted to steel strap 11 1/2 x 3/4 inch; to fasten on top side of shaft; average weight per pair, 1 1/4 pounds.

1 pair in a package.



No. 210. List per pair 1.60

4 Bells; Nickel Plated.

Stamped steel bevel gongs; two each 2 1/8 and 2 3/8 inches diameter; each with two cast iron ball clappers; rivetted to iron strap 13 1/2 x 3/4 inch; to fasten on top of shaft; average weight per pair, 1 1/2 pounds.

1 pair in a package.

No. 11. List per pair 2.80

3 Bells; Nickel Plated.

Cast bell metal Dome gongs; highly polished, two 2 1/2 and one 2 3/4 inches diameter, each with three cast iron ball clappers; securely rivetted to iron strap 11 x 3/4 inches; to fasten on the under side of shaft; average weight per pair, 1 1/2 pounds.

1 pair in a package.

SHAFT CHIMES

No. 14. List per pair 2.80

4 Bells; Nickel Plated.

Smooth stamped brass chimes; harmonized; two 2 3/8 and two 2 1/2 inch diameter; each with three ball clappers; securely rivetted to iron straps 13 5/8 x 3/4 inch; to fasten on under side of shaft; average weight per pair, 2 pounds.

1 pair in a package.

No. 99. List per pair 5.00

4 Bells; Nickel Plated.

Cast bell metal gongs; harmonized; 2 3/8 to 2 5/8 inches diameter; each with three ball clappers; securely rivetted to iron strap 13 1/2 x 3/4 inch; to fasten on under side of shaft; average weight per pair, 2 3/4 pounds.

1 pair in a package.

No. 220 x 3 Bells. List per pair 5.20

One 2 3/8 and two 2 1/2 inch bells; strap 11 1/4 inches long; average weight per pair, 2 1/4 pounds.

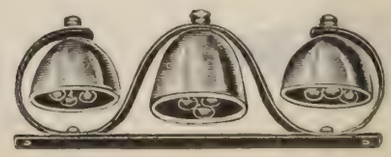
No. 220 x 4 Bells. List per pair 6.60

One 2 3/8, two 2 1/2 and one 2 5/8 inch bells; strap 13 1/4 inches long; average weight per pair, 3 pounds.

Nickel Plated and Highly Polished.

Smooth graduated chimes of cast brass; pleasingly harmonized; each bell has three cast iron ball clappers; securely rivetted to nickel plated stamped brass strap, 3 /4 inches wide; to fasten on top of shafts.

1 pair in a package.



No. 299. List per pair 6.60

3 Bells; Full Nickel Plated.

Smooth pure bell metal chimes; harmonized; nickel plated and highly polished; two 2 1/2 and one 2 3/8 inches diameter; each bell has three cast iron ball clappers; rivetted to brass scroll strap which is firmly fastened to brass shaft strap 11 x 3/4 inches; to fasten on top of shaft; average weight per pair, 3 1/4 pounds.

1 pair in a package.

HARNESS HOOKS

No. 166.

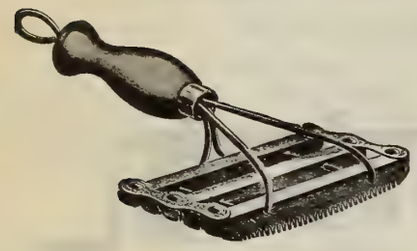
Size, inches	6	8
List dozen	3.60	4.00
Projects, inches	5¾	7¾
App. wt. doz., lbs.	8¾	10¼

Japanned; Cast Iron.

3¾ x 2 inch wall plate; heavy; countersunk to take four No. 10 F. H. screws; without screws.

1 dozen in a box.

CURRY COMBS



No. 121. List per dozen 3.40

6 Bars; Open Back.

Lacquered cold rolled sheet steel bars made in three sections; with rivetted side braces; 9½ gauge coppered steel wire shank passes through the bars and over the back, extending through the handle and looped into an eye at the end; black enamelled wood handle 4 inches long with brass ferrule; size of back 4¾ x 3¼ inches; average weight per dozen, 5½ pounds.

1 dozen in a box.

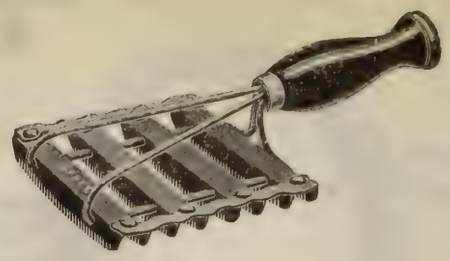
No. 111. List per dozen 3.20

5 Bars; Lacquered.

Cold rolled sheet steel bars, (closed back) made in four sections and secured with coppered steel wire shank which passes through the bars and over the back, holding them firmly together; shank extends through handle and is looped into an eye at the end; black enamelled wood handle 4 inches long, with brass ferrule; size of back 4½ x 2½ inches; length over all, 9 inches; average weight per dozen, 5 pounds.

1 dozen in a box.

CURRY COMBS

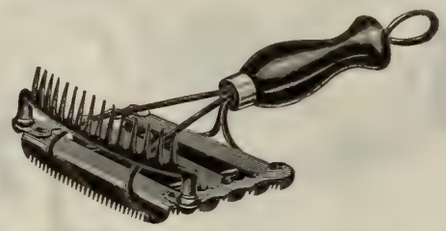


No. 0121. List per dozen 3.80

8 Bars; Open Back.

Blue lacquered cold rolled sheet steel bars made in four sections; riveted side braces; blue lacquered steel wire shank passes through the bars and over the back and extends into the handle; black enamelled wood handle 3½ inches long with metal ferrule; size of back 4 7/8 x 3 3/4 inches; length over all, 8 inches; average weight per dozen, 6¼ pounds.

1 dozen in a box.

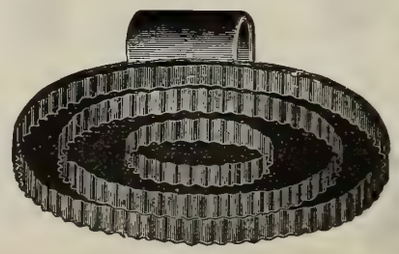


No. 127. List per dozen 4.40

6 Bars; Open Back; With Mane Comb.

Lacquered cold rolled sheet steel bars made in three sections; riveted side braces; malleable iron main comb; coppered steel wire shank passes through the bars and over the back, extending through the handle and looped into an eye at the end; black enamelled wood handle 4 inches long with brass ferrule; size of back 4 3/4 x 3 inches; length over all, 8 1/2 inches; average weight per dozen, 7 pounds.

1 dozen in a box.



"Eclipse." List per dozen 5.40

Made of three cold rolled steel trays with corrugated sides rivetted together; green enamel finish; high grade leather handle secured to comb by 4 steel rivets; size, 6 1/2 x 4 1/4 inches, 3/4 inch deep at centre, 1/2 inch deep at edges; average weight per dozen, 4½ pounds.

1 dozen in a box.

CATTLE COMBS

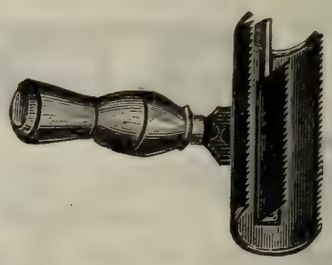
No. 98. List per dozen 4.00

Single Bar.

Lacquered, cold rolled steel blade, 6 x 1 3/4 inches, with fine teeth on one edge and course teeth on the other; malleable iron brace shank riveted through handle; 4 inch black enamelled wood handle; steel ferrule; length over all, 6 1/4 inches; average weight per dozen, 4¾ pounds.

1 dozen in a box.

CATTLE COMBS



No. D6703. List per dozen 5.00

3 Bar.

Japanned cold rolled steel, curved back with bar in centre riveted to steel plate which, in turn is rivetted to flat iron shank; wood handle 4 inches long; steel ferrule; side knocker; size of face 5 x 2 inches; length over all, 7 1/2 inches; average weight per dozen, 4 3/4 pounds.

Open stock.

No. 100. List per dozen 5.50

3 Bar.

Lacquered cold rolled steel curved back with bar in centre, riveted to malleable iron braced shank; black enamelled wood handle 4 inches long; steel ferrule; side knockers on end of braces; size of face 5½ x 2½ inches; length over all, 7 inches; average weight per dozen, 7 1/4 pounds.

1 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

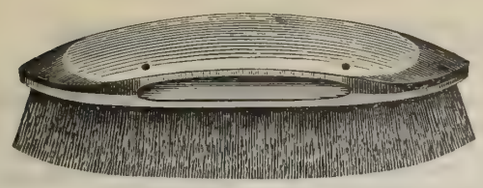
MANE COMBS

No. 24. List per dozen 3.00

Malleable iron, black japanned finish; size 4½ x 2½ inches; punched hole in the back for hanging up; average weight per dozen, 2½ pounds.

2 dozen in a box.

HORSE BRUSHES

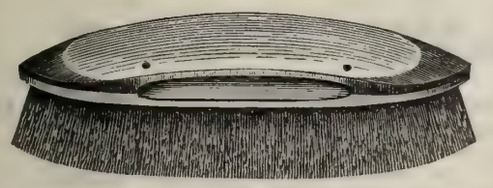


No. 247 x 93. List per dozen 6.60

Mixed Bass Bristles.

Solid wood, varnished, roach-shaped back with pointed ends and finger grooves 9 x 2¾ inches; bristles 1¼ inches long; 5 rows; average weight per dozen, 6¾ pounds.

1/2 dozen in a package.



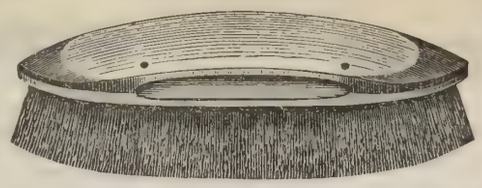
No. 247 x 94. List per dozen 7.20

Mixed Bass Bristles.

Solid wood, varnished, roach-shaped back with pointed ends and finger grooves 9 x 2⅞ inches; bristles 1½ inches long; 5 rows; average weight per dozen, 7½ pounds.

1/2 dozen in a package.

HORSE BRUSHES



No. 247 x 3. List per dozen 7.20

Rover Bass Bristles

Solid wood, varnished, roach-shaped back with pointed ends and finger grooves, 9¾ x 2¾ inches; bristles 1¾ inches long; 5 rows; average weight per dozen, 8 lbs.

No. 247 x 64. List per dozen 7.80

Stiff Union Fibre Bristles.

Solid wood, varnished, roach-shaped back with pointed ends and finger grooves, 9½ x 2¾ inches; bristles 1¾ inches long, 5 rows; average weight per dozen, 9 pounds.

No. 30. List per dozen 7.20

Superior Whisk.

Fine quality bristles 1½ inches long; 5 rows; oval face; varnished roach-shaped solid wood back with pointed ends and finger grooves, 10 x 3 inches; average weight per dozen, 8 pounds.

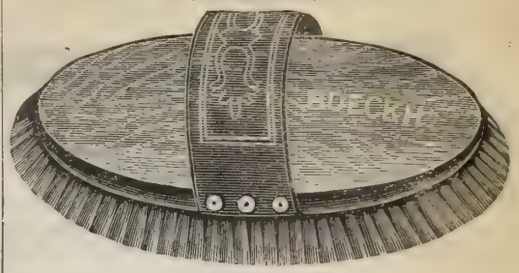
No. 247 x 150. List per dozen 10.00

Black Kittool Bristles.

Solid wood, varnished, roach-shaped back with pointed ends and finger grooves, 9 x 2¾ inches; bristles 1⅝ inches long, 5 rows; average weight per dozen, 8¾ pounds.

All 1/2 dozen in a package.

HORSE BRUSHES



STANDARD

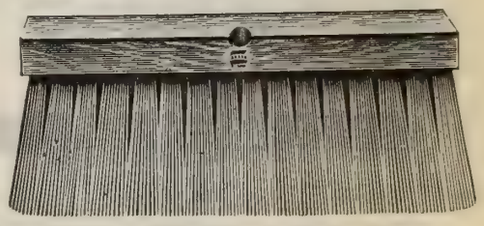
No. 246 x 21. List per dozen 10.20

Solid Wood Back.

Mixed fibre bristles 7/8 inches long; 7 rows; flat face; varnished flat wood back 9 x 4 1/8 inches; patent leather strap; average weight per dozen, 9 pounds.

1/2 dozen in a package.

STABLE BROOMS or Street Brooms



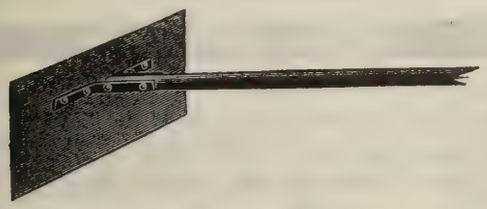
Nos.	1403	1404	1405
List per dozen	16.50	18.00	21.20
Length of block, ins.	13	13	14
App. wt. dozen, lbs.	37	40	46

With Handle.

Genuine bass wood fibre; steel fastened in hardwood blocks 3½ inches wide, 1¾ inches thick; smooth turned handle 54 inches long, 1 1-16 inch diameter.

Open stock.

STABLE SCRAPERS



Erie. List per dozen 12.00

Japanned.

18 gauge steel blade 13 ½ x 6 3/4 inches; steel straps riveted to blade and rivetted through handle; hardwood handle 4 feet long, 1 1/8 inch diameter; average weight per dozen, 43 pounds.

Open stock.

WHIP LASHES

HORSE HIDE

Length, feet	3 1/2	4	4 1/2	5
List dozen	2.80	3.20	3.60	4.00
App. weight doz., lbs.	5/8	3/4	1	1 1/8

Swell Centre.

4 plaint; genuine horsehide cover; loop end; woven snap.

1 dozen in a bundle.

Single Oiled Tanned. List per dozen 2.70

Approximately 4 1/2 feet.

Genuine horsehide square cut single string; extra strong and serviceable; with looped end and fastener; average weight per dozen, ¾ pound.

Open stock.

WHIP STOCKS

No. 361 x 2 1/2 feet. List per dozen 2.20

No. 361 x 3 feet. List per dozen 4.30

Wood.

Solid hickory; natural finish; leather loop securely bound; average weight per dozen, 3 and 3 1/2 pounds.

Open stock.

No. 365 x 3 1/2 feet. List per dozen 15.00

Leather.

Lees twisted stock; genuine leather hand sewed cover; reinforced lash loop; average weight per dozen, 3 1/2 pounds.

1/4 dozen in a parcel.

BINDER WHIPS

No. 405. List per dozen 5.70

Bamboo Harvest.

12 feet; bamboo stock 9 feet long; 3 foot drop with plaited cotton cover; 6 inch snap; average weight per dozen, 6 pounds.

Open stock.

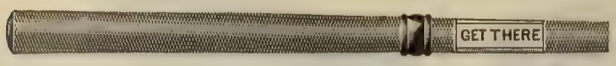
No. 400. List per dozen 14.50

"Harvester."

12 feet; selected java stock 7 1/2 feet long; 4 1/2 ft. drop; woven entire length with four plait thread cover; buff color gloss finish; waterproof; cotton loop snap; rubber cap; 1 1/2 inch nickel plated ferrule; average weight per dozen, 6 1/2 pounds.

1/4 dozen in a parcel.

HORSE WHIPS



No. 6. List per dozen 3.90

"Get There."

5 1/2 feet; reed stock; woven thread cover; gloss black water-proof finish; one button; plain round end; Boston snap; average weight per dozen, 3 1/2 pounds.

1/4 dozen in a parcel.

No. 7. List per dozen 4.00

"Gee Whiz."

6 ft.; reed stock; woven thread cover; water-proof gloss black finish; one button; plain round end; Boston snap; average weight per dozen, 3 1/2 pounds.

1/4 dozen in a parcel.

No. 8 "Waverley." List per dozen 4.50

6 feet; selected cane stock; woven thread cover; water-proof black gloss finish; one button; plain round end; Boston snap; average weight per dozen, 3 1/2 pounds.

1/4 dozen in a parcel.

No. 15 "Waverley". List per dozen 5.30

6 feet; best quality Java stock; woven thread cover; black water-proof gloss finish; two buttons; Boston snap; average weight per dozen, 3 3/4 pounds.

1/4 dozen in a parcel.

No. X27 "Waverley". List per dozen 6.70

6 feet; selected stock with short wood butt; woven thread cover entire length; black water-proof gloss finish; rubber cap; two buttons; Boston snap; average weight per dozen, 3 1/2 pounds.

1/4 dozen in a parcel.

No. 100 "Waverley". List per dozen 6.70

6 feet; selected reed stock; woven thread cover entire length; black oiled water-proof gloss finish; rubber cap; two buttons; Boston snap; average weight per dozen, 3 3/4 pounds.

1/4 dozen in a parcel.

No. 117 "Waverley". List per dozen 8.00

6 feet; solid reed stock; woven thread cover entire length; waterproof underlined; black gloss finish; rubber cap; two fancy russet buttons; Boston snap; average weight per dozen, 3 1/4 pounds.

1/4 dozen in a parcel.

HORSE WHIPS

No. 137 "Waverley." List per dozen 9.70

6 feet; all reed stock; loaded steel tube butt with 11 inch fancy plaited handle; woven thread cover; water-proof underlined; black gloss finish; rubber cap; two buttons; Boston snap; average weight per dozen, 3 1/4 pounds.

1/4 dozen in a parcel.

No. 127 "Waverley". List per dozen 10.70

6 feet; all reed stock; woven thread cover; with 7 inch genuine leather handle; waterproof underlined; black gloss finish; rubber cap; two buttons; Boston snap; average weight per dozen, 3 1/4 pounds.

1/4 dozen in a parcel.

No. 157 "Waverley." List per dozen 13.50

6 feet; 7/12 length extra quality rawhide centre through cap; woven thread cover entire length; water-proof underlined; black gloss finish; rubber cap; two buttons; Boston snap; average weight per dozen, 5 1/8 pounds.

1/4 dozen in a parcel.

No. 167 "Waverley." List per dozen 14.50

6 feet; solid rawhide centre through cap; woven thread cover entire length; water-proof underlined; yellow gloss finish; rubber cap; two buttons; Boston snap; average weight per dozen, 4 pounds.

1/4 dozen in a parcel.

No. 177 "Waverley." List per dozen 18.00

6 feet; heavy rawhide centre from tip to butt; extra quality; loaded butt; woven thread cover entire length; rubber underlined; black gloss finish; rubber cap; two long buttons; Philadelphia snap; average weight per dozen, 6 pounds.

1/4 dozen in a parcel.

"SAMSON." List per dozen 24.00

6 feet; extra heavy rawhide centre through cap; loaded butt; fine woven thread cover entire length; rubber underlined; black gloss finish; rubber cap; two 2 inch russet leather buttons; Philadelphia snap; average weight per dozen, 6½ pounds.

1/4 dozen in a parcel.

EXPRESS OR TEAM WHIPS

No. 1217. List per dozen 6.70

6 feet; 3½ ft. cane stock; 2½ ft. drop; woven thread cover entire length; waterproof underlined; black gloss finish; rubber cap; one button; 12-inch solid leather exposed lash with snap; average weight per dozen, 4 pounds.

1/4 dozen in a parcel.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

"SAMSON" HORSE BLANKETS

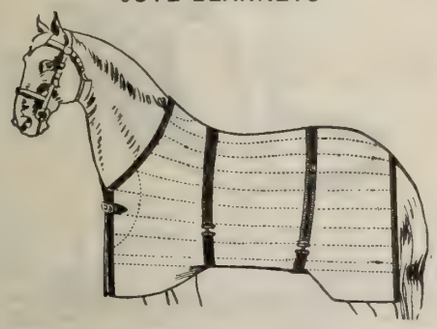
For appearance, warmth and service, our "SAMSON" Horse Blankets are unexcelled.

Made throughout of the highest grade materials by expert workmen, they represent the very best in quality and satisfaction.

The linings are extra heavy; all sewing is lock-stitched; the fasteners, which are nickel plated are firmly secured; heavy leather stays and straps carefully sewed and riveted; adjustable stayons are of fine jute webbing carefully sewed to blanket. They are blankets which can be sold with confidence.

FULLY GUARANTEED.

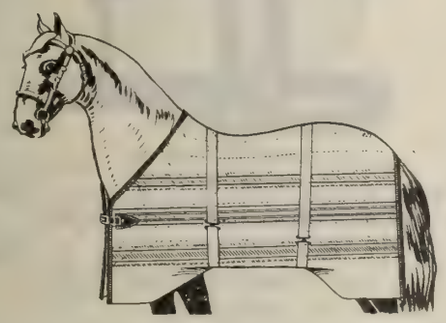
JUTE BLANKETS



No. 011 x 2. "Samson." List per dozen **18.00**
Plain Jute; Without Stayon.
65 inches wide, 72 inches long; unlined; bound ends; without stayon; average weight each, 2 1/4 pounds.

No. 011 x 4. "Samson." List per dozen **25.20**
Plain Jute; with Stayon.
65 inches wide, 72 inches long; unlined; bound ends; narrow adjustable stayon; average weight each, 2 1/4 pounds.

No. 01 x 4. "Samson." List per dozen .. **43.20**
Plain Jute; with Stayon.
65 inches wide, 72 inches long; quilted and lined to 40 inches; bound ends; adjustable narrow stayon; average weight each, 4 1/2 pounds.

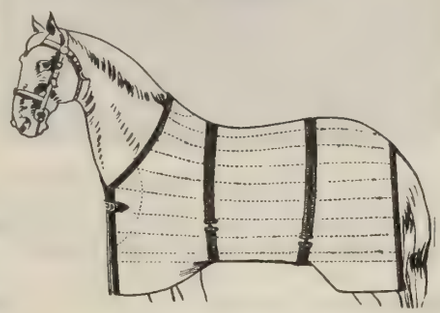


No. 2 x 2. "Samson." List per dozen .. **42.00**
Fancy Green and Red Striped Jute. Without Stayon.
60 inches wide, 72 inches long; quilted and lined to 40 inches; bound ends; without stayon; average weight each, 4 pounds.

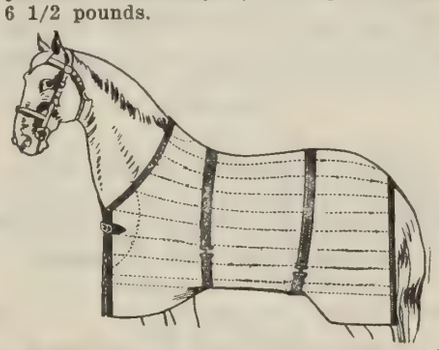
No. 2 x 4. "Samson." List per dozen .. **50.40**
Fancy Red and Green Striped Jute. With Stayon.
60 inches wide, 72 inches long; quilted and lined to 40 inches; bound ends; adjustable narrow stayon; average weight each, 4 1/2 pounds.

No. 4 x 5. "Samson." List per dozen ... **74.40**
Fancy Red Check Jute. With Stayon.
65 inches wide, 72 inches long; full lined and quilted; bound ends; hemmed bottom; wide adjustable stayon; average weight each, 6 1/2 pounds.

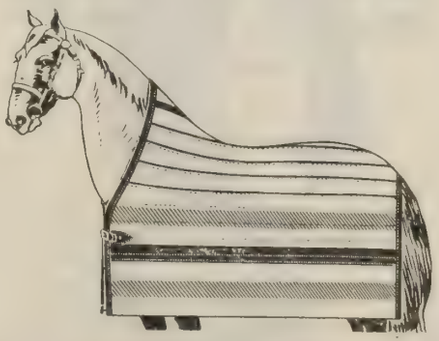
JUTE BLANKETS



No. 3 x 6. "Samson." List per dozen .. **60.00**
Plain, Closely Woven Jute; with Stayon.
70 inches wide, 78 inches long; quilted and lined to 60 inches; bound ends; adjustable wide stayon; average weight 6 1/2 pounds.



No. 05 x 6. "Samson." List per dozen .. **72.00**
Plain Heavy Twilled Jute. Lumber Special, with Stayon.
70 inches wide, 78 inches long; quilted and lined to 60 inches; bound ends; wide adjustable stayon; average weight each, 8 pounds.

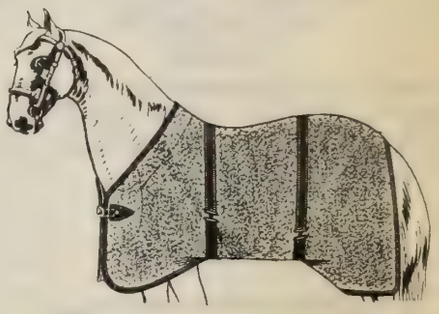


No. 6 x 3. "Samson." List per dozen .. **70.80**
Extra Heavy, Fancy Twill Stripe Jute. Without Stayon.
80 inches wide, 80 inches long; quilted and lined to 60 inches; bound ends; without stayon; average weight each, 9 lbs.

No. 6 x 7. "Samson." List per dozen **82.80**
Extra Heavy, Fancy Twill Stripe Jute. With Stayon.
80 inches wide, 80 inches long; quilted and lined to 60 inches; bound ends; adjustable wide stayon; average weight each, 9½ pounds.

All Open Stock.

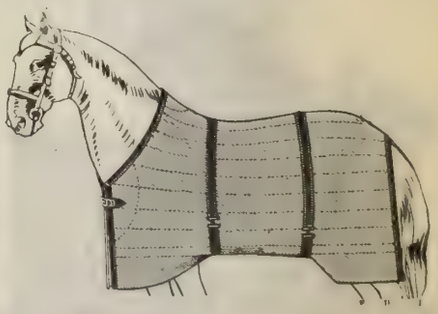
KERSEY BLANKETS



No. 10 x 2. "Samson." List per dozen .. **42.00**
Drab Color Kersey; without Stayon.
60 inches wide, 72 inches long; full bound edges; without stayon; average weight each, 4 1/2 pounds.

No. 10 x 6. "Samson." List per dozen .. **50.40**
Green Color Kersey; with Stayon.
65 inches wide, 78 inches long; full bound edges; adjustable narrow stayon; average weight each, 6 pounds.

DUCK BLANKETS



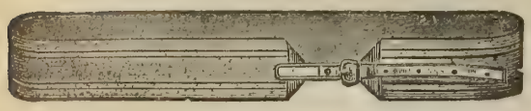
No. 105 x 1. "Samson." List per dozen **60.00**
Brown Duck; without Stayon.
65 inches wide, 72 inches long; full quilted and lined; bound ends; without stayon; average weight each, 5 pounds.

No. 105 x 5. "Samson." List per dozen **66.00**
Brown Duck; with Stayon.
65 inches wide, 72 inches long; full lined and quilted; bound ends; wide adjustable stayon; average weight each, 5 pounds.

No. 105 x 8. "Samson." List per dozen .. **72.00**
Brown Duck; with Stayon.
65 inches wide, 78 inches long; full quilted and lined; bound ends; wide adjustable stayon; average weight each, 6 pounds.

No. 106 x 9. "Samson." List per dozen .. **75.60**
Drab Twill Duck; with Stayon.
70 inches wide, 78 inches long; full lined and quilted; bound ends; wide adjustable stayon; average weight each, 6½ pounds.

GIRTHS or SURCINGLES



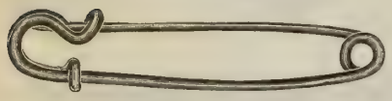
No. 1. List per dozen 5.20
Plain Jute.

No. 2. List per dozen 8.40
Fancy, Striped Jute.

Unpadded.

Jute web; 3 1/4 inches wide, 68 inches long; riveted black japanned buckle; 16 inch heavy leather billet 1 inch wide sewed and rivetted; average weight per dozen, 3 3/4 pounds.
1 dozen in a bundle.

BLANKET PINS



No. 10. List per gross 6.00

Nickel Plated.

11 gauge spring steel wire; 3 7/8 inches long over all; average weight per gross, 6 pounds.
6 only on a card.
1/2 gross in a box.

ALL WOOL RUGS

No. 502. List each 14.50
Small black and grey check with green and blue stripes.

No. 706. List each 14.50
Brown, plaided with mixtures of red, green and buff stripes.

No. 717. List each 14.50
Blue and green mixtures, plaided with mixtures of green, blue and buff stripes.

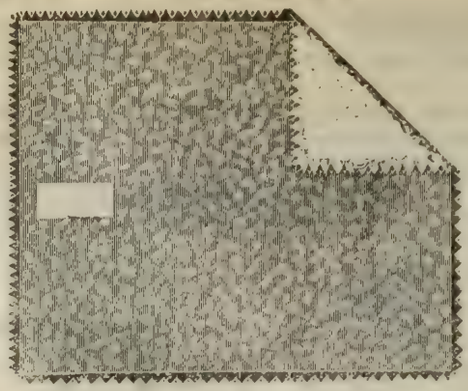
No. 718. List each 14.50
Dark blue, plaided with mixtures of red and buff stripes.

Size 60 x 80 inches.

These pure all wool rugs will be found extra serviceable; they are closely woven in neat and attractive patterns; for use in automobiles, carriages, etc.; with fringe at both ends; average weight each: No. 502, 4¾ pounds; other numbers, 4 lbs.

Open stock.

CARRIAGE ROBES



"MONARCH" ROBES

54 x 62 Inches. List each 26.00
Average weight each, 9 1/2 pounds.

54 x 72 Inches. List each 30.00
Average weight each, 11 pounds.

Rubber Interlined.

An excellent and serviceable robe consisting of three seamless parts:—fur cloth, rubber interlining and astrachan curl lining; the interlining is of fine quality, soft and pliable and makes the robe wind and water-proof; attractively trimmed with double pinked wool felt.
Open stock.

"STANDARD" ROBES

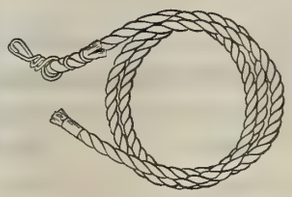
54 x 62 Inches. List each 29.00
Average weight each, 10 pounds.

54 x 72 Inches. List each 34.00
Average weight each, 11 1/2 pounds.

Rubber Interlined.

A first quality three-piece robe; fur cloth top closely resembles the genuine Buffalo fur and becomes more curly with use; best quality rubber interlining, pliable and soft, makes the robe wind and water-proof; astrachan fur lining of the highest grade material; trimmed with double "pinked" wool felt.
Open stock.

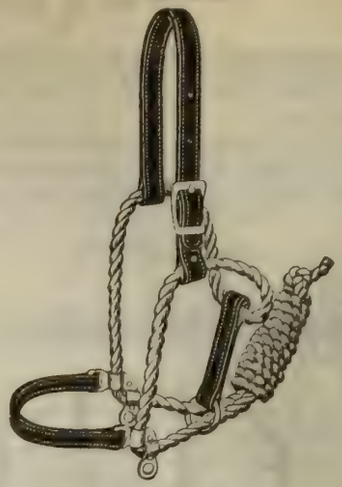
ROPE HALTERS



Stock	Diam. rope, Ins.	App. wt. dozen, lbs.	List gross
Jute	7/16	5	40.80
Jute	9/16	7½	62.40
Sisal	7/16	5½	40.80
Sisal	9/16	7½	62.40

Best quality jute and sisal ties; 8 feet long; with snap and ring.
1 dozen in a bundle.

HALTERS



THE GIANT.

No. 2A. List per dozen 21.60
1-inch heavy double thick russet harness leather crown and nose band, well stitched and riveted; 1/2 inch manila rope cheeks, throat band, chin strap and lead in one piece; black japanned buckle and steel side fastenings; average weight per dozen, 21 pounds.
Open stock.

SPECIAL D. & S.

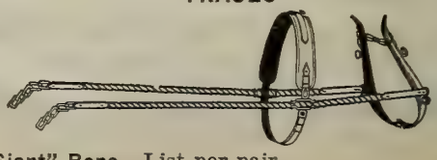
1-inch. List per dozen 30.00
Average weight per dozen, 20 lbs.

1 1/4-inch. List per dozen 33.60
Average weight per dozen, 26 lbs.

Without Tie.

Fine quality double thick russet harness leather; 1 and 1 1/4 inch as above; double stitched and riveted; tinned and japanned loop buckle, rings, square and safety snap.
1/4 dozen in a bundle.

TRACES

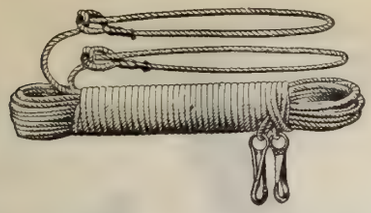


"Giant" Rope. List per pair 4.10

Traces Only.

Made of 7/8 inch hard manila rope fitted with malleable loop at one end and loop and five 9/32 x 2 1/2 inch electric welded bright steel links at the other end; two securely riveted malleable iron centre loops; length over all, 7½ feet; average weight per pair, 5¾ pounds.
Open stock.

PLOW LINES



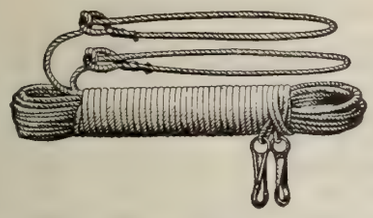
No. 1. List per dozen pairs 9.50

3/16 Inch; Hemp.

3 strand; 24 feet long, with safety snaps and end loops; average weight per dozen pairs, 8 1/4 pounds.

1/12 dozen pairs in a hank.

1 dozen hanks in a bundle.



No. 538. List per dozen pairs 19.20

1/4 Inch; Unbleached Flax.

4 strand; 21 feet long, with safety snaps and end loops; average weight per dozen pairs, 13 1/4 pounds.

1/12 dozen pairs in a hank.

1 dozen hanks in a bundle.

HARNESS DRESSING

"NONSUCH."

1-Lb. Tins. List per dozen 6.50

Paste.

A pure harness oil paste dressing; blackens, oils, preserves, softens and waterproofs all black leather; equally good for buggy tops, boots and shoes; in lithographed, friction top tins, 5 1/8 x 1 3/4 inches; average weight per dozen, 14 pounds.

AXLE GREASE

1,000 Mile.

1 Pound Tins. List per dozen 3.50

3 Pound Tins. List per dozen 9.20

A perfect axle lubricant; unexcelled in quality; made of the finest ingredients; reduces friction to the minimum; for all kinds of vehicles; in friction top, lithographed tin cans.

1 pound tins, 4 dozen in a case.

3 pound tins, 2 dozen in a case.

PINE TAR

Size, can	8-oz.	16-oz.
List dozen	2.00	3.20
App. wt. doz., lbs.	8½	16½

Liquid.

Strictly pure; used for rubbing on horses hoofs to prevent drying and cracking; used also in cough syrups and other medicinal preparations; in sealed top cans.

12 dozen 1/2 pints in a case.

4 dozen 1 pints in a case.

HAME STRAPS

HORSEPOWER

1-Inch. List per dozen 4.90

1 1/4-Inch. List per dozen 7.00

22 Inches Long.

Double thick heavy chrome tanned leather, of great strength and durability; strongly sewed; remains soft and pliable; black japanned roller buckle; leather loop; average weight per dozen, 2 1/2 and 3 pounds.

1 dozen in a bundle.

SWEAT PADS
or
Collar Pads

VENTIPLEX

No. 310—10 inches wide.

x 19 inches long. List dozen 9.60
x 20 inches long. List dozen 9.60
x 21 inches long. List dozen 9.60
x 22 inches long. List dozen 9.60
x 23 inches long. List dozen 9.60

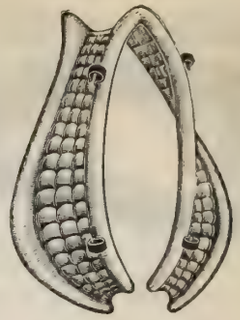
No. 311—11 Inches wide.

x 19 inches long. List dozen 10.50
x 20 inches long. List dozen 10.50
x 21 inches long. List dozen 10.50
x 22 inches long. List dozen 10.50
x 23 inches long. List dozen 10.50

A special made fabric consisting of several layers of wool, hair and India fibre, constructed to form a strong porous, yet soft material; lock stitch corded edges; permits free circulation; will always hold their shape; with four japanned hooks; average weight per dozen, 15½ pounds.

1 dozen in a bundle.

SWEAT PADS

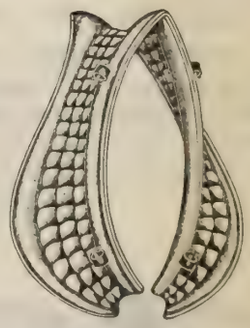


Red Edge, Yellow.

Size	Width, Inches.	Length, Inches.	List dozen.
10 x 19	10	19	14.00
10 x 20	10	20	14.00
10 x 21	10	21	14.00
10 x 22	10	22	14.00
11 x 19	11	19	14.50
11 x 20	11	20	14.50
11 x 21	11	21	14.50
11 x 22	11	22	14.50
11 x 23	11	23	14.50
12 x 20	12	20	15.00
12 x 21	12	21	15.00
12 x 22	12	22	15.00
12 x 23	12	23	15.00
12 x 24	12	24	15.00

Best quality old gold drill; fine composite stuffing; extra heavy quilting (4 rows) turned edges inserted with red felt; four japanned steel hooks; full sizes; average weight per dozen, 22 pounds.

1/2 dozen in a bundle.



Brown and White Duck Pads.

No. BB.10—

Size	Width, Inches.	Length, Inches.	List dozen.
10 x 20	10	20	13.00
10 x 21	10	21	13.00
10 x 22	10	22	13.00

No. BB.11—

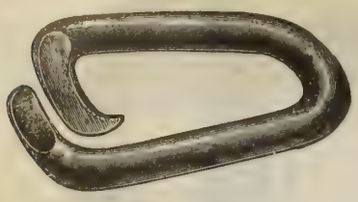
Size	Width, Inches.	Length, Inches.	List dozen.
11 x 20	11	20	13.50
11 x 21	11	21	13.50
11 x 22	11	22	13.50
11 x 23	11	23	13.50

Best quality drill; fine composite stuffing; extra heavy quilting (4 rows); four japanned spring steel hooks; plain turned edges; full sizes; average weight per dozen, 22 pounds.

1/2 dozen in a bundle.

REPAIR LINKS

For Repairing or Lengthening Chain.



Bright Short.

Size (wire) Ins..	3/16	1/4	5/16	3/8
List gross	3.30	3.50	6.20	11.00
Inside length, inches	1 5/16	1 5/16	1 9/16	2 1/16
App. wt. gr., lbs.	9	10½	20	34

Open Lap Links.

Super-polished wrought steel

Open stock.

No. 2530.

Size	A	B	C	D
List gross	12.50	16.00	21.60	33.60
Size iron, ins. ...	1/4	5/16	3/8	7/16
Eye, inches	3/8	7/16	9/16	11/16
Inside length, ins.	1 3/8	1 5/8	1 7/8	2 3/8
App. wt. gr., lbs..	15	21	33	55½
Gross in a box ...	1/6	1/6	1/6	1/12

Swivel, Lap Links.

Polished malleable iron; heavy rivet; strong and serviceable; used for quick repair work.

Packed as above.

No. 673—COLD SHUTS.

Size (iron) ins. .	1/4	5/16	3/8	7/16
List gross	13.50	14.40	15.60	17.50
For chain, ins.	3/16--¼	¼--5/16	5/16--⅜	⅜--7/16
Inside length, ins.	1 1/4	1 5/16	1 5/8	1 1/2
App. wt. gr., lbs.	8 1/2	14 1/2	23	36

Forged steel; do not require heating; an ordinary hammer or axe may be used to close them; slightly pinched at shoulder.

Open stock.

REPAIR LINKS

For Repairing or Lengthening Chain.

Split Rivet.

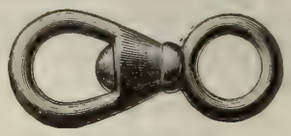
Size, (iron) Inch.	Inside Length, Inches.	App. wt. gross, pounds.	Gross in a box.	List per gross.
3/16	3/4	4 1/2	1	12.00
1/4	1 5/16	7 1/2	1	14.00
5/16	1 1/16	11	1	17.50
3/8	1 1/8	16 1/2	1/2	21.00
7/16	1 1/8	25	1/3	27.00
1/2	1 3/8	37	1/3	42.00
9/16	1 7/16	53	1/12	44.00

Japanned.

Malleable iron; two-piece links with interlocking lugs.

Packed as above.

ROPE SWIVELS



No. 7220 C.

3/4 inch. List per dozen 1.40

Malleable Iron; Polished.

3/4 inch eye; 3 1/8 inches long; for light ropes; cattle ties and other light chains; average weight per dozen, 2 1/4 pounds.

Open stock.

CHAIN HOOKS

No. 7750—GRAB.

Size	A	B	C
List dozen	3.20	4.70	6.00
For chain, ins.	5/16	3/8	7/16
Size iron, ins.	5/8	3/4	7/8
Length, ins.	4 1/2	5 1/2	7 1/2
App. wt. doz., lbs.	9	15	24

Self-colored, square wrought iron; for logging chains.

Open stock.

CHAIN HOOKS

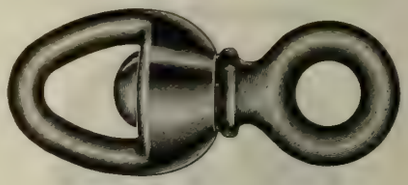
No. 8555—SLIDE.

Size	A	B	C
List dozen	3.20	4.70	6.00
For chain, ins.	5/16	3/8	7/16
Size iron, ins.	3/4	7/8	1
Length, ins.	5 1/2	6	7
App. wt. doz., lbs.	10	15	26

Self-colored, wrought iron; for log chains.

Open stock.

LOG CHAIN SWIVELS



Size	1/4	5/16	3/8
List dozen	1.60	2.90	4.80
For chain, ins.	1/4	5/16	3/8
Size, iron, ins.	3/8	7/16	9/16
Length, ins.	3	4 1/8	5
App. wt. doz., lbs..	4	7 1/2	12

Malleable iron; best quality; polished finish; for log chains, etc.

Open stock.

LOGGING CHAINS
or
Binding Chains

Size, Inch.		Length, Feet,	App. wt. each, lbs.	List each
1/4	x	16	12	4.70
5/16	x	14	16	4.80
3/8	x	14	22 1/2	6.00

BB. Quality Chain.
With Swivel, Also Slip and Grab Hooks.

Self-colored wrought, welded links; polished malleable iron swivel; wrought hooks.

Open stock.

COIL CHAIN

ELECTRIC WELD.

Proof Quality.

Size Inch	App. links per foot.	Length inches (Inside)	Width, inches (Inside)	App. wt. per foot, pounds.	Proof test lbs.	App. breaking strain, lbs.	List per 100 lbs.
3/16	12 1/2	61/64	13/32	.4	1045	2090	32.50
1/4	12	1	1/2	.7	1800	3600	31.00
5/16	10 3/4	1 7/64	1/2	1.05	2720	5400	25.50
3/8	9 3/4	1 15/64	5/8	1.50	3720	7440	21.20

Swell Weld.

A good chain for general use; made from the best drawn wire of high tensile strength, self color; proof tested to strains shown for the various sizes.

Cut to any length.

ELECTRIC WELD

BBB. Quality.

Size Inch	App. links per foot,	Length inches (Inside)	Width, inches (Inside)	App. wt. per foot, pounds.	Proof test lbs.	App. breaking strain, lbs.	List per 100 lbs.
3/16	15 1/2	25/32	3/8	.43	1300	2600	39.00
1/4	14	55/64	7/16	.78	2250	4500	36.00
5/16	12	1	1/2	1.15	3400	6800	31.50

Swell Weld; Polished.

A dependable chain of strength and durability; made from the best drawn wire of high tensile strength; proof tested to strains shown for the various sizes.

Cut to any length.

FIRE WELD.

Proof B. Quality.

Size Inch	App. links per foot.	Length inches (Outside)	Width, inches (Outside)	App. wt. per foot, pounds.	Proof test lbs.	App. breaking strain, lbs.	List per 100 lbs.
3/8	10	2 1/8	1 1/2	1.55	3600	7200	28.00
7/16	9	2 1/4	1 11/16	2	4500	10000	22.50
1/2	8	2 1/2	1 7/8	2.6	6500	13000	20.80
5/8	6 1/2	3 3/8	2 1/4	4	9500	20000	21.00

Smooth Weld.

Made of open hearth basic steel; self color; carefully welded; proof-tested to strains shown for the various sizes; these chains run about 1/32 inch oversize.

Cut to any length.

COIL CHAIN

FIRE WELD.

BBB. Quality.

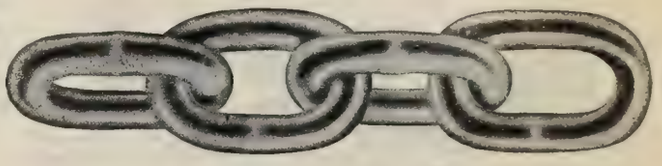
Size Inch	App. links per foot,	Length inches (Outside)	Width, inches (Outside)	App. wt. per foot. pounds.	Proof test lbs.	App. breaking strain, lbs.	List per 100 lbs.
3/8	11 1/2	1 7/8	1 7/16	1.66	4500	9000	32.50
7/16	10	2 1/8	1 9/16	2.15	6300	12500	27.70
1/2	9	2 3/8	1 3/4	2.68	8000	16500	25.80

Smooth Weld.

Made from the best open hearth steel; extra close links of specially tough material and welded with extra special care; self color; every link tested before shipping as per above table; these chains run about 1/32 inch oversize.

Cut to any length.

LOADING CHAIN



ELECTRIC "TRUE WELD"

Size Inch	Decimal equivalent	App. Links per foot,	App. wt. per foot. pounds.	Proof test pounds.	App. breaking strain, lbs.	List per 100 lbs.
1/4 (exact)	.250	13.71	.76	2300	4600	70.00
9/32	.281	12.60	.93	3100	6000	58.00
5/16	.312	11.65	1.10	4600	9000	50.00

Swell Weld; Polished.

High grade steel chain made of superior quality, drawn wire of great tensile strength; proof tested to strains shown for the various sizes; specially adapted for the use of lumbermen and others who require a light weight chain of great strength.

Cut to any length.

GENUINE "TRIDENT"

Size Inch	Links per foot.	App. wt. per foot, pounds.	Proof test, lbs.	breaking strain, lbs.	List per 100 lbs.
9/32	15	1.05	2800	7800	75.00
5/16	14	1.25	3600	8800	65.50
11/32	13	1.55	4200	11000	60.00

Polished.

A very high grade chain; made of tough and strong special steel, slightly full inside; extra long lapped lock "Trident" weld; has high tensile strength.

Cut to any length.

The safe working of any chain is about one-half of the proof test.

LOAD BINDERS

No. 233½. List each 5.20

Blue lacquered, hand forged special steel; 22 1/2 inch spread when open; contracts to 17 1/2 inches, taking up a slack of 5 1/2 inches; 26 1/2 inch bar of 5/8 inch stock; heavy links; grab hooks fit any chain from 1/4 to 1/2 inch; binds quickly and securely lumber, logs, hay, pipe or other large loads; approximate weight each, 12 pounds.
Open stock.

COIL CHAIN

Actual Size No. 1.

STEEL WIRE.

Trade No.	Gauge No.	App. links in a foot.	App. breaking strain, lbs.	App. wt. 100 ft. pounds.	List 100 feet.
1	11	7 1/2	770	12	4.10
1/0	10	7	900	16	4.60
2/0	9	5 3/4	1150	20	5.80
3/0	8	5 3/4	1250	23	7.00
6/0	5	4 1/2	1800	43	12.60

Bright, hard drawn steel wire, weldless links; the links are formed by a double twist in the centre; gives maximum of strength for weight of material used.
100 feet in a box.

CANADIAN PATTERN

No.	Size, Ins.	Links in a foot.	Proof strength, pounds.	App. wt. 100 ft. pounds.	List per 100 feet.
3	1/8	11	600	14½	3.50
2	9/64	9½	700	17	3.80
1	5/32	9	800	22	4.10
0	11/64	8⅓	900	25	4.60
00	3/16	8	950	30	5.80

Bright wrought steel; electric welded twisted links.
100 feet in a package.

SAFETY CHAIN

No. 00.

No. 0.

No. 1.

No. 2.

PLUMBERS.

Nos.	00	0	1	2
Brass, list dozen yards	1.60	1.80	2.30	2.90
Nickel Plated, list dozen yards	1.70	2.20	2.70	3.50
Gauge of metal	26	24	22	22
App. wt. doz. yards, lbs.	5/8	7/8	1	1 1/8

Cut links; sold only in full boxes.
1 dozen yards in a box.

JACK CHAIN

Bright Steel; Single Link.

No.	Gauge No.	App. wt. doz. yards, lbs.	List dozen yards.
20	20	3/8	.64
18	18	5/8	.64
16	16	1 1/8	.76
15	15	1 1/2	.80
14	14	2	.90
12	12	3 1/4	1.00
10	10	4 3/4	1.20
9	9	5 1/2	1.40
8	8	7 1/2	1.50

Bright round steel wire; sold only in full boxes.
1 dozen yards in a box.

Brass; Single Link.

No.	Gauge No.	App. wt. doz. yards, lbs.	List dozen yards.
24	24	1/8	.70
20	20	3/8	.84
18	18	3/4	1.10
16	16	1 1/4	1.60
14	14	2	2.50

Round brass wire; sold only in full boxes.
1 dozen yards in a box.

Bright Steel; Double Link.

No.	Gauge No.	App. wt. doz. yards, lbs.	List dozen yards.
18	18	1 1/8	.76
17	17	1 1/2	.80
16	16	1 7/8	.80
15	15	2	.90
14	14	3	.90
12	12	5	1.10
10	10	7 3/4	1.50
9	9	8 3/4	1.60
8	8	11 3/4	1.80
7	7	14	2.20

Bright round steel wire; sold only in full boxes.
1 dozen yards in a box.

Brass; Double Links.

No.	Gauge No.	App. wt. doz. yards, lbs.	List dozen yards.
20	20	5/8	1.10
18	18	1 1/8	1.40
16	16	1 7/8	2.00

Round brass wire; sold only in full boxes.
1 dozen yards in a box.

ACTUAL CHAIN SIZES

SINGLE JACK CHAIN

No 20

No 18

No 16

No 14

No 12

No 10

No. 8

DOUBLE JACK CHAIN

No 20

No. 18

No 16

No 14

No 12

No 10

No. 8

CANADIAN PATTERN COIL CHAIN

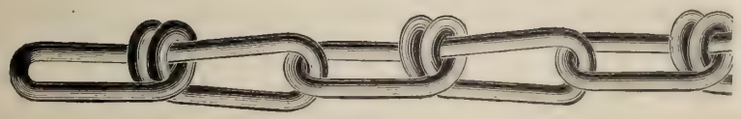
No. 1

No. 1/0

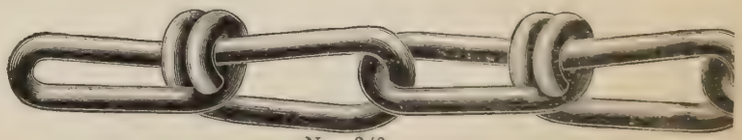
No. 2/0

No. 3/0

TWISTED WIRE COIL CHAIN


No. 1

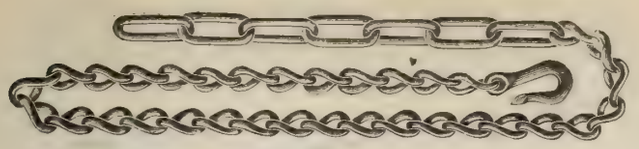
No. 1/0


No. 2/0

No. 6/0

No. 3/0

TRACE CHAINS.



Size 6/0. Length, feet	3 1/2	6 1/2	7
List per pair	1.20	1.80	2 00
App. wt. pair, lbs	2 1/2	5 1/4	5 1/2

Twisted Link.

Bright wrought iron, electric welded, twisted links with straight links at one end and hook on the other end; links are of 5 gauge stock (.212 inch); 6 to a foot; every chain proof tested.

2 pairs in a rust-proof paper bag.

BUTT CHAINS OR HALF TRACES

No. 26-1 x 36 inch. List per dozen 10.80

Polished.

Bright wrought, electric welded straight links, 9/32 inch chain x 2 1/4 inches long, (inside); malleable iron swivel three links from end; electric welded end ring 1 3/4 inches diameter (inside); length over all, 36 inches; average weight per dozen, 2 1/2 pounds.

Open stock.

HEEL CHAINS

No. 140. List per dozen 2.90

5 Link; Polished.

Bright wrought, electric welded straight links, 5/16 inch chain, 2 1/2 inches long (inside); length over all 11 1/2 inches; average weight per dozen, 9 1/2 pounds.

Open stock.

No. 90 x 5 Link. 5/16 inch chain. List per dozen 6.00

Polished.

Bright wrought, electric straight links 2 1/4 inches long (inside); 4 inch malleable iron snap; length over all, 15 inches; average weight per dozen, 11 pounds.

Open stock.

HEEL CHAINS

No. 85 x 5 Link.

1 3/4 inch D. List per dozen 6.50

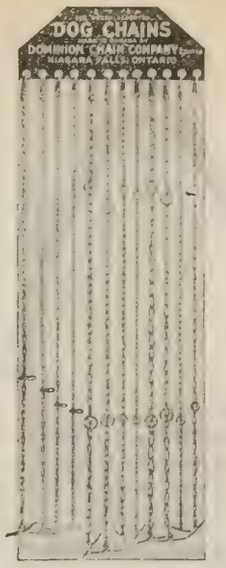
2 inch D. List per dozen 6.50

Polished.

Bright wrought, electric welded straight links, 5/16 inch chain; 2 1/4 inches long (inside); swivel Dee with screw and roller; length over all 15 inches; average weight per dozen, 25 1/2 pounds.

Open stock.

DOG CHAINS



ASSORTED.

On Hanger. List per assortment 5.50

12 Chains; All 6 feet.

An assortment of good selling sizes including light, medium and heavy chains in American pattern and weldless pattern links; equipped with malleable iron swivel snap, toggle and two rings; finished super-polish; mounted on an attractive lithographed hanger 9 x 3 1/2 inches; average weight each, 6 3/4 pounds.

1 assortment in a box.

AMERICAN PATTERN

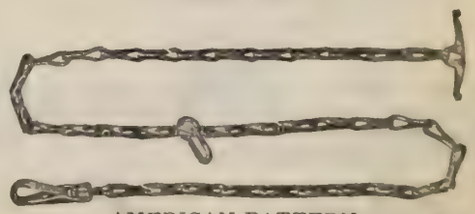
Nos.	7	6	5	4	3	2	1
List dozen	5.70	6.80	7.30	8.20	8.80	9.70	10.50
S.W. gauge No.	20	19	18	18	17	17	15
Links per ft.	18½	14	14½	11½	11½	10	10
Wt. doz., lbs.	3	3	6	6½	7	10	11
Doz. in a box	1	1	1	1	1	½	½

6-Feet.

Bright, flat steel, weldless links; malleable iron swivel snap, toggle and ring.

Packed as above.

HALTER CHAINS



AMERICAN PATTERN

Nos.	1/0	2/0	3/0	4/0
4½ Foot. List per dozen	9.40	11.00	11.70	13.00
6 Foot. List dozen	11.50	13.70	.....	.....
S. W. gauge No.	16	15	14	12
App. links per foot	8 1/2	8 1/2	7 3/4	7 3/4
App. wt. doz., lbs. (4½ ft.)	11	12	13	16

Bright flat steel, weldless links; malleable iron swivel snap, toggle and ring.

1/2 dozen in a box.

BREAST CHAINS

No. 220 x 28. List per pair 3.00

Nubia Finish; (black).

Eight electric welded twisted links with two 2 1/8 inch straight links at each end made of 9/32 inch iron; has a No. 446 heavy double snap on each end and a No. 445 heavy centre snap (see pages 228 and 229); length of chain 17 in.; length over all, 26 inches; adjustable to various lengths by taking up the links; average weight per pair, 4 3/4 pounds.

1 pair in a box.

TIE OUT CHAINS or Picket Chains.

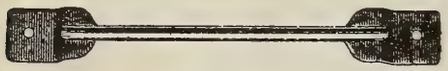
Nos.	1x30	1x50	0x30	0x40	0x50
List dozen	17.00	29.50	17.70	24.00	30.00
Length feet	30	50	30	40	50
S. W. gauge No.	11	11	10	10	10
App. links per ft.	7½	7½	7	7	7
No. of swivels	2	3	2	2	3
App. wt. doz., lbs.	51	84	60	81	90

Weldless Bright Steel Wire Drawn Links.

A first quality chain for tethering cattle; maximum strength with minimum weight; equipped with stake ring, centre and end swivels, and malleable snap.

1/12 dozen in a package.

STALL FIXTURES



Dominion. List per dozen 3.70

One-Piece.

14 gauge stamped tubular steel with flat ends 2 inches wide; the rod is 5/8 inch diameter; length over all 16 inches; ends are punched with 9/16 inch holes for bolts; self-color; average weight per dozen, 10 pounds.

Open stock.

COW TIES or Cow Chains

Fine quality chains, well finished, made exceptionally strong at points where there is the greatest strain, giving maximum strength for weight of material used. Specifications given are approximate only.

STALL FIXTURE PATTERN

Nos.	1	1/0	2/0	3/0
List per dozen	4.50	5.50	6.00	7.00
Gauge Nos.	11	10	9	6½
App. wt. doz., lbs.	10½	14	16	20

For use with stall fixtures; with swivel, toggle, large links on one end and No. 2 gauge closed ring 2 3/8 x 1 1/8 inches inside.

1/2 dozen in a box.

COW TIES or Cow Chains

Fine quality chains, well finished, made exceptionally strong at points where there is the greatest strain, giving maximum strength for weight of material used. Specifications given are approximate only.

SMALL CLOSED RING.

Nos.	1	1/0	2/0	3/0
List per dozen	6.00	7.20	8.00	8.80
Neck chain, ins.	40	41	45	47
Gauge No.	11	9½	9	8
Diam. ring, ins.	3	3¼	3¼	3¼
App. wt. doz., lbs.	13½	16	17½	19

For use around stall stanchions; with swivel, toggle and large straight links on one end.

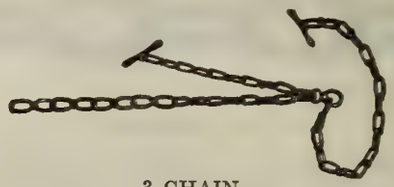
1/2 dozen in a box.

OPEN RING

Nos.	1	1/0	2/0	3/0	4/0	5/0
List per dozen	6.00	7.30	8.00	8.80	11.00	14.00
Neck chain, ins.	35	39	42	44½	47½	56
Gauge Nos.	11	10	9	8	7	6
Diam. ring, ins.	3½	3½	3½	3½	3½	4
App. wt. doz., lbs.	14	18½	20	24	32	52

For use around stall stanchions; with swivel, toggle and large links on one end.

1/2 dozen in a box.

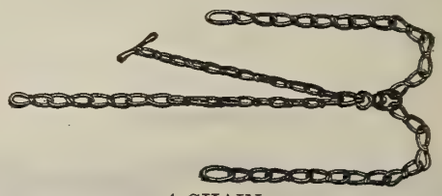


3 CHAIN.

Nos.	1	1/0	2/0	3/0	4/0	5/0
List per dozen	6.00	7.30	8.00	8.80	11.00	14.00
Neck chain, ins.	35	39	42	44½	47½	56
Gauge Nos.	11	10	9	8	7	6
App. wt. doz., lbs.	14½	15½	16½	23	28	35

For use on stall stanchions; with swivel, two toggles and large links on one end; average length of stanchion chain, 19 inches.

1/2 dozen in a box.



4 CHAIN.

Nos.	3/0x36x1	3/0x42x2	3/0x47x3	4/0x47x3
List per dozen	14.40	15.00	15.60	15.60
Neck chain, ins.	44½	44½	44½	47½
Width stalls, ins.	36	42	47	47
No. of end links	1	2	3	3
Gauge No.	8	8	8	7
App. wt. doz., lbs.	31	35	39½	44

For use in single stalls; the cross or long chain is made of No. 6/0 wire with links at each end as above of No. 2 gauge, 2 3/8 x 1 1/8 inch inside; attached to fixtures on either side of stall; with swivel and toggle.

1/2 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

FETLOCK CLIPPERS

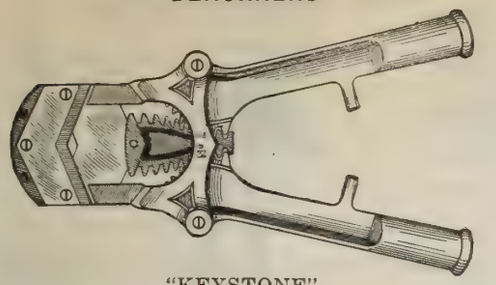
No. 671. List per pair 3.20

Nickel Plated.

Best quality hardened and tempered steel cutting plates; carefully ground, tempered and sharpened; coarse teeth 8 to the inch; smooth bottom plate; cast aluminum handles (with finger rests) and head; knurled screw adjustment; concealed 3 coil spring; length, 5½ ins.; width of bottom plate, 1⅞ inches; weight per pair, 4 ounces.

1 pair in a box.

DEHORNERS



"KEYSTONE".

No. 2. Improved. List each 24.00

Japanned malleable iron head and handle sockets 21 inches long, 8½ inches wide; tapered rack; eccentric gears give great cutting power; V-shaped blade of fine quality steel with polished edges; sliding blade is secured to the rack with one bolt; stationary blade being secured to the frame by three bolts; maximum opening between blades 3¼ x 3½ inches; turned hardwood handle 25½ inches long, 1¾ inch widest diameter; average weight each, 17 pounds.

Open stock.

DEHORNER PLATES OR BLADES

One Hole. List per dozen 32.00

Sliding or bottom plate.

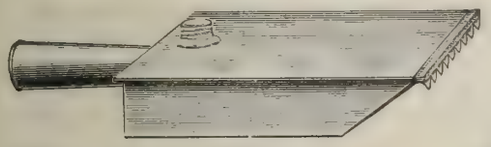
Three Hole. List per dozen 32.00

Stationary or top plate.

For No. 2 Improved "Keystone" Dehorners.

Open stock.

HORSE SINGERS or Singeing Lamps.



Eclipse. List per dozen 7.20

4-inch Wick.

Brass plated tin body and hollow handle; with screw cap; body 4⅛ inches wide; 4¾ inches long, 1 inch deep; length over all 8 inches; average weight per dozen, 4 pounds.

Open stock.

No. 160/5. List per dozen 30.00

5-inch Wick; English Make.

Lacquered tin body and hollow handle; bright tin, removable wick holder; brass screw cap; 5½ inches wide at head, 11 inches long over all; handle 7½ inches long. 1 inch diameter; average weight per dozen, 4½ pounds.

1/12 dozen in paper.

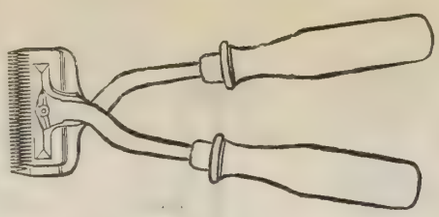
No. 162 x 5. List per dozen 58.00

5-inch Wick; English Make.

Lacquered tin body 5½ inches wide x 3½ inches long; bright tin removable wick holder; lacquered, heavy tin cylinder handle 7¾ x 1 inch diameter with brass eye and threaded brass screw; all brass stop cock; length over all 14½ inches; average weight per dozen, 9 pounds.

1/12 dozen in paper.

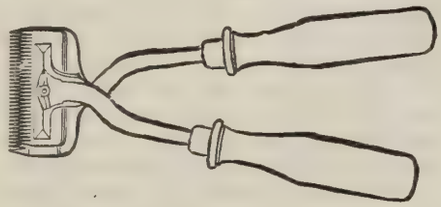
HAND HORSE CLIPPERS



"Handicap." List per pair 4.50

A low price clipper made of best materials; polished malleable iron head and shanks; highly polished, light stained wood handle 5¼ inches long fitted with steel ferrules; cast steel plates carefully tempered and ground, 11 teeth to inch; cut hair to ⅛ inch long; plain bottom plate 3¼ inches wide; plain wing nut with spring washer; teeth protected by tin cap; length over all 10½ inches; average weight per pair, 14 ounces.

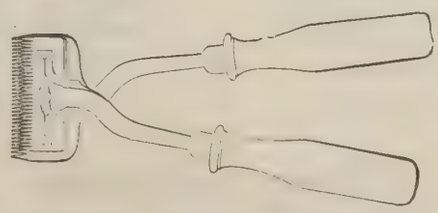
1 pair in a box.



"Goodwood." List per pair 5.00

A strong and reliable, one centre pin support machine; nickel plated malleable iron head and shanks; highly polished, ebonized wood handles 5 inches long fitted with steel ferrules; equipped with high grade cast steel plates, carefully tempered and ground; 11 teeth to inch; cuts hair to ⅛ inch long; plain bottom plate 3¼ inches wide; wing nut adjustment; teeth protected by tin cap; length over all 10½ inches; average weight per pair, 13½ ounces.

1 pair in a box.



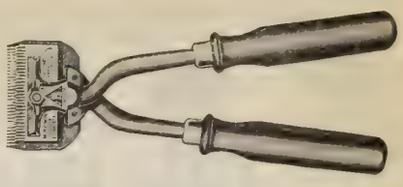
"Grand". List per pair 5.70

Ball-Bearing.

A first quality, easy running clipper; nickel plated malleable head and shanks; highly polished, ebonized wood handles 5¼ inches long, fitted with steel ferrules; equipped with high grade cast steel plates, carefully tempered and ground; 11 teeth to inch; cuts hair to ⅛ inch long; plain bottom plate 3¼ inches wide; wing nut adjustment; teeth protected by tin cap; length over all, 10½ inches; average weight per pair, 14½ ounces.

1 pair in a box.

HAND HORSE CLIPPERS

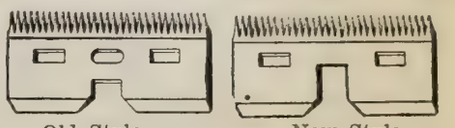


"Newmarket". List per pair 5.90

The original centre adjustment clipper; well known for its reliability; nickel plated malleable iron head and shanks; highly polished, ebonized wood handles 5¼ inches long fitted with steel ferrules; high grade, specially cast, steel plates, thoroughly tempered, accurately machined and perfectly assembled; 11 teeth to inch; cuts hair to ⅛ inch long; 6 hole plain bottom plate ¾ inches wide; nut adjustment; teeth protected by leather bag; length over all 11 inches; average weight per pair, 14¾ ounces.

1 pair in a box.

PLATES FOR "NEWMARKET" HORSE CLIPPERS



Old Style. New Style.

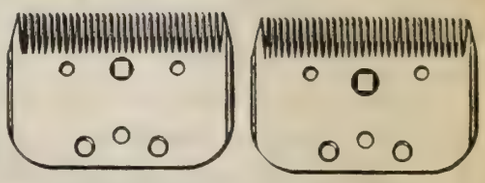
Top Plates.

New Style. List each 2.00

Old Style. List each 2.00

Average weight each, 1¾ ozs.

Open stock.



Old Style. New Style.

Bottom Plates.

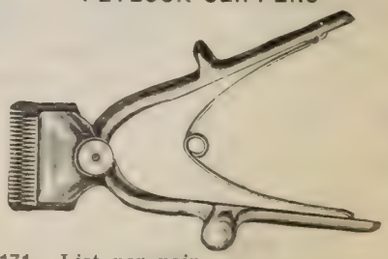
New Style. List each 3.00

Old Style. List each 3.00

Average weight each, 3¾ ozs.

Open stock.

FETLOCK CLIPPERS



No. 171. List per pair 4.00

Nickel Plated.

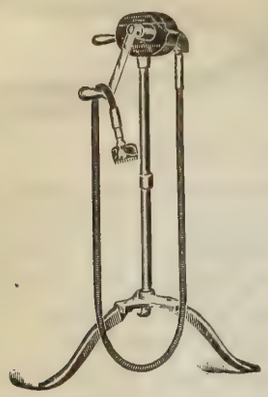
Best quality steel cutting plates carefully tempered, ground and sharpened; coarse teeth, 9 to an inch; plain bottom teeth 1 15/16 ins. wide; malleable iron handles (with finger rests) and head; knurled screw adjustment; tempered steel wire spring; length over all, 7 inches; average weight per pair, 9 ounces.

1 pair in a box.

Extra Springs for No. 171 Fetlock Clippers.

List per dozen 2.40

HORSE CLIPPING MACHINES



No. 1. Stewart. List each 19.14

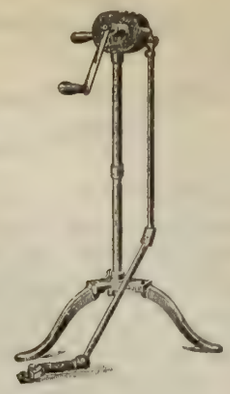
Ball Bearing; Enclosed Type.

The most perfect clipping machine made; strong and compact; has rigid cast iron tripod base, 22 inches spread; 1 inch tubular steel jointed upright; 39 inches high over all; gears all cut from solid metal and enclosed in dust-proof metal box; all wearing parts are of hardened steel; new style, light, easy-running flexible shaft, 6 feet long enclosed in seamless canvas cover; perfectly adjusted clipping head; easily taken down or set up; size of shipping box 6¾ x 8½ x 14½ inches; shipping weight boxed, 30 lbs.

1 in a box.

Manufacturers Standard List 12.75.

SHEEP SHEARING MACHINES



No. 8. Stewart. List each 27.00

Enclosed Gear.

An easy running and fast shearing machine; a great improvement over the old hand shears; has rigid cast iron tripod base, 22 inches spread; 1 inch tubular steel jointed upright; 39 inches high over all; the gears are cut from the solid steel bar and are specially hardened; all working parts are enclosed in dust-proof metal box; jointed steel shaft with universal joints, permits the shear being turned in any direction; fitted with No. 5 shear head and 4 combs and 4 cutters; shipping weight each, boxed, 40 pounds.

1 in a box.

Manufacturers Standard List 18.00

SHEEP SHEARING MACHINES

No. 9. Stewart. List each 33.00

Ball Bearing; Enclosed Gear.

A machine that turns easy and cuts fast with little effort on the part of the operator; has cast iron tripod base, 22 inches spread; 1 inch tubular steel jointed upright; 41 inches high over all; gears all cut from solid metal and inclosed in dust-proof metal box 7½ inches diameter, 2¼ inches wide; all wearing parts are of hardened steel; jointed steel shaft with ball bearing universal joints; permits the shear being turned in any direction; fitted with No. 7 ball-bearing shear head and 4 combs and 4 cutters; shipping weight each boxed, 50 pounds.

1 in a box.

Manufacturers Standard List 22.50.

SHEEP SHEARING ATTACHMENTS

For Horse Clipping Machines.

No. 55. List each 19.50

For Stewart No. 1 Horse Clipper.

This attachment consists of complete No. 5 Stewart shear head, four sets of shearing knives; the solid core, universal jointed shaft and cogs, as shown here; complete; easy to attach; shipping weight boxed, 10 pounds.

1 in a box.

Manufacturers Standard List 13.00.

HORSE CLIPPING ATTACHMENTS

For Sheep Shearing Machines.

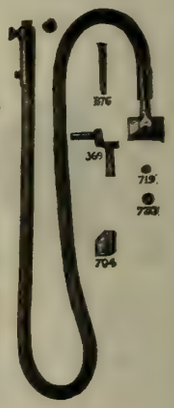
Complete. List each 11.64

For Nos. 8 and 9 Stewart Sheep Shearers.

Attachment consists of 6-foot flexible shaft of highest grade, enclosed in seamless canvas cover; Stewart one-nut horse clipping knife; No. 887 gear head; No. 704 gear cap; No. 889 small cog; No. 890 large cog and No. 876 eye spindle, as shown here; complete; easy to attach; shipping weight boxed, 10 pounds.

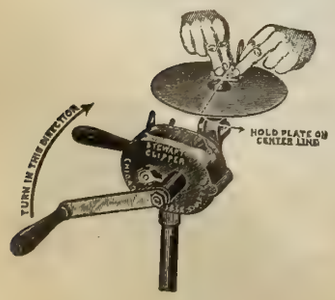
1 in a box.

Manufacturers Standard List 7.75.



CLIPPER KNIFE GRINDERS

For Stewart Clipping Machine Knives.



No. 11. Stewart. List each ... 10.50

Attaches to any No. 1 Stewart horse clipping machine or Stewart No. 8 or No. 9 sheep shearing machines; by a simple mechanism it is attached to the gear case of the machine; all metal; 9-inch steel grinding disc; includes grinding compound; shipping weight boxed, 9 pounds.

1 in a box.

Manufacturers Standard List 7.00

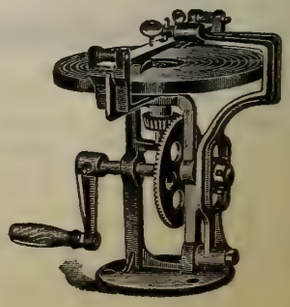
No. 3. List each 26.63

Automatic.

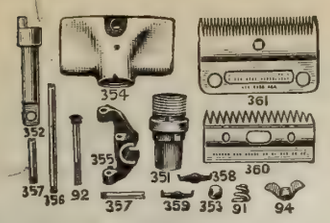
A successful type of grinder which does excellent work; sharpens both horse clipping and sheep shearing machine knives; requires no skill as it is automatic; japanned cast iron frame; 11¼ inch steel grinding disc; 14 inches high; shipping weight each boxed, 60 pounds.

1 in a box.

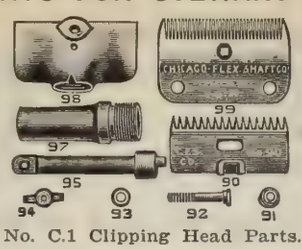
Manufacturers Standard List 17.75.



PARTS FOR STEWART HORSE CLIPPING MACHINES



No. B.1 Clipping Head Parts.



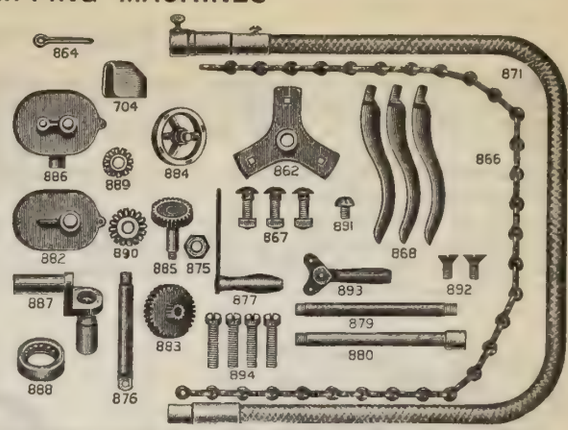
No. C.1 Clipping Head Parts.

PARTS FOR B.1 CLIPPING HEAD. (NEW STYLE). (Since Jan. 1, 1915).

No.	Name.	Net Weight	Makers List	List each
B1	Stewart Latest Model Cutting Handle and Knife, complete	16 oz.	$3.50	**$5.25**
B3	Stewart Latest Model Clipper Handle only	11 oz.	1.00	**1.50**
91	Tension spring	1-16 oz.	.05	**.08**
92	Tension bolt	1-5 oz.	.05	**.08**
94	Tension nut	1-7 oz.	.05	**.08**
351	Taper sleeve	2 oz.	.40	**.60**
352	Drive pin	2 oz.	.35	**.53**
353	Drive ball	1-16 oz.	.10	**.15**
354	Brace	5 oz.	.50	**.75**
355	Cross head	1 oz.	.50	**.75**
356	Cross head pin	1-3 oz.	.10	**.15**
357	Guide pins	1-7 oz.	.05	**.08**
358	Ball boss	1-7 oz.	.05	**.08**
359	Socket boss	1-7 oz.	.05	**.08**
360	Top plate	2 oz.	1.00	**1.50**
361	Bottom plate	3 oz.	1.50	**2.25**

PARTS FOR C.1 CLIPPING HEAD. (OLD STYLE). (Before Jan. 1, 1915).

No.	Name.	Net Weight	Makers List	List each
C1	Stewart Patent Horse Clipper Handle and Knife, complete	20 oz.	$3.50	**$5.25**
C3	Stewart Patent Horse Clipper Handle only	10 oz.	1.00	**1.50**
90	Top plate	3 oz.	1.00	**1.50**
91	Tension spring	1-16 oz.	.05	**.08**
92	Tension bolt	1-6 oz.	.05	**.08**
93	Eccentric Roll	1-15 oz.	.10	**.15**
94	Tension nut	1-6 oz.	.05	**.08**
95	Pin and shaft	2½ oz.	.35	**.53**
97	Shank	3½ oz.	.40	**.60**
98	Front part	4 oz.	.50	**.75**
99	Bottom plate	5 oz.	1.50	**2.25**

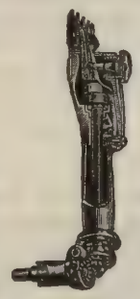


PARTS FOR No. 1 BALL BEARING MACHINE.

No.	Name.	Net Weight	Makers List	List each
424	Grip handle screws	1 oz.	$ .05	**$ .08**
704	Gear cap	5½ oz.	.50	**.75**
862	Leg Bracket	41 oz.	.50	**.75**
866	6-ft. chain	1 lb.	2.10	**3.15**
868	Legs, each	30 oz.	.50	**.75**
871	6-ft shaft (old style) without chain	39 oz.	3.60	**5.40**
871A	6-ft. shaft (new style) without chain	39 oz.	3.60	**5.40**
871	Shaft and 866 chain	3½ lbs.	5.25	**7.88**
871A	Shaft and 866 chain	3½ lbs.	5.25	**7.88**
876	Eye Spindles	4 oz.	.50	**.75**
877	Crank Handle, complete	12 oz.	.75	**1.13**
882	Gear Case Cover	27 oz.	1.00	**1.50**
883	Intermediate Gear and Pinion	12 oz.	2.50	**3.75**
884	Balance Wheel and Spindle	22 oz.	1.50	**2.25**
885	Drive Gear and Spindle	19 oz.	2.00	**3.00**
886	Gear Case	50 oz.	1.50	**2.25**
887	Gear Head	20 oz.	1.80	**2.70**
889	Small Cog	1 oz.	.40	**.60**
890	Large Cog	1½ oz.	.60	**.90**
893	Grip Handle	11 oz.	.35	**.53**
894	Gear Case Screws ..... each	1 oz.	.05	**.08**
871E	3-in. Ferrule for No. 871 shaft	4 oz.	.35	**.53**
871F	3-in. Ferrule for No. 871A Shaft..	4 oz.	.35	**.53**
871B	5-in. Ferrule for No. 871 or 871A Shaft	13 oz.	.60	**.90**

The following are parts not stocked. They can, however, be secured promptly from the factory. No. **864**, Cotter Pin; No. **867**, Bracket Stud and Nut; No. **875**, Crank Nut; No. **879**; either Section of Upright, 13 inches long; No. **880**, Coupling for Upright; No. **888**, Balls and Ball Cup; No. **891**, Gear Cap Screw.

PARTS FOR STEWART SHEEP SHEAR HEADS



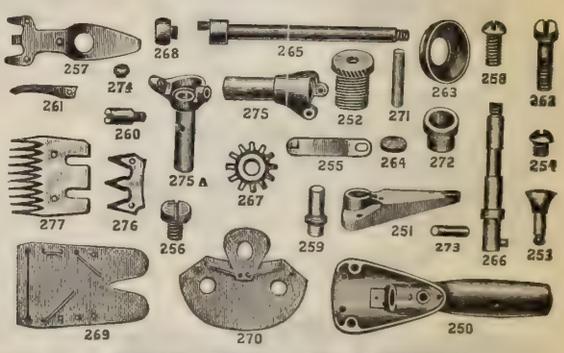
Sectional View of No. 7 Shear.

PARTS FOR No. 7 SHEAR. (Used on No. 9 Machine).

No.	Name.	Net Weight	Makers List	List each
16	Comb Screws (2) .....each	1-16 oz.	$0.10	**$0.15**
18	Fork Pin (2) .....each	1-16 oz.	.05	**.08**
30-9X	Lower Joint Yoke	5 oz.	1.25	**1.88**
31-9	Cogs without threads (2) ... each	1 oz.	.50	**.75**
252	Tension Nut	2 oz.	.35	**.52**
253	Tension Pin	1 oz.	.35	**.52**
255	Tension Spring	1 oz.	.10	**.15**
257	Fork	4 oz.	2.00	**3.00**
258	Tension Spring Screw	1-16 oz.	.05	**.08**
261	Fork Tongue	2 oz.	.35	**.52**
264	Tension Nut Disc	1-6 oz.	.10	**.15**
268	Crank Roller	1 oz.	.25	**.38**
271	Tongue Pin	1-16 oz.	.02	**.03**
272	Shell Cup	¼ oz.	.15	**.23**
273	Joint Spindle Pin	1-16 oz.	.02	**.03**
274	Fulcrum Ball	¼ oz.	.10	**.15**
276	Cutter	1 oz.	.25	**.38**
277	Comb	2 oz.	.75	**1.13**
280-A	Crank Head	4 oz.	.75	**1.13**

The following are parts not stocked. They can, however, be secured promptly from the factory. No. **DL**, Joint Guard (complete); No. **250A**, Frame; No. **251**, Lid; No. **254**, Oil Hole Screw; No. **262**, Lid Screws (2) No. **263A**, Ferrule; No. **269**, Leather Handle Grip; No. **269A**, Handle Grip Lace; No. **270A**, Joint Guard Lace; No. **278**, Joint Spindle; No. **279**, Main Spindle Ball Race; No. **280**, Main Spindle; No. **282**, Upper Joint Yoke; No. **284**, Ball Bearings for Main Spindle; No. **285**, Gear Ball Bearings.

No. 5 Shear Handle.



PARTS FOR No. 5 SHEAR. (Used on No. 8 Machine).

No.	Name.	Net Weight	Makers List	List each.
16	Comb Screws (2) .....each	1-5 oz.	$0.10	**$0.15**
18	Fork Pin (2) .....each	1-23 oz.	.05	**.08**
252	Tension Nut	1¼ oz.	.35	**.52**
253	Tension Pin	1-3 oz.	.35	**.52**
255	Tension Spring	1-5 oz.	.10	**.15**
257	Fork	2¼ oz.	2.00	**3.00**
260	Joint Screw (2) .....each	1-7 oz.	.05	**.08**
261	Fork Tongue	¾ oz.	.35	**.52**
264	Tension Nut Disc	1-9 oz.	.10	**.15**
266	Joint Spindle	2 oz.	.35	**.52**
267	Cog (2) .....each	¾ oz.	.50	**.77**
268	Crank Roller	2-7 oz.	.25	**.38**
271	Tongue Pin	1-22 oz.	.02	**.03**
272	Shell Cup	1-9 oz.	.15	**.23**
273	Joint Spindle Pin	1-32 oz.	.02	**.03**
274	Fulcrum Ball	1-32 oz.	.10	**.15**
275	Upper Joint Yoke	3 oz.	1.00	**1.50**
275-A	Lower Joint Yoke	3 oz.	1.00	**1.50**
276	Cutter	1-3 oz.	.25	**.38**
277	Comb	2 oz.	.75	**1.13**

The following are parts not stocked. They can, however, be secured promptly from the factory. No. **250**, Shell; No. **251**, Lid; No. **254**, Oil Hole Screw; No. **258**, Tension Spring Screw; No. **262**, Lid Screws (2); No. **263**, Ferrule; No. **265**, Main Spindle; No. **269**, Leather Handle Grip; No. **269A**, Grip Handle Lace; No. **270**, Joint Guard (complete); No. **270A**, Joint Guard Lace.

GAME TRAPS

Made by The Oneida Community Limited

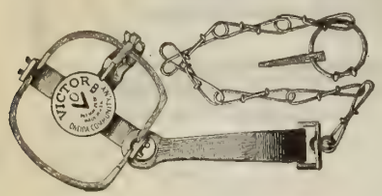
Wherever game traps are used the name of the Oneida Community Limited is known as the makers of reliable and efficient traps; made throughout of the very best materials, they are fully guaranteed to give satisfaction.

VICTOR:—The Victor is a light weight quality trap; springs are made of superior quality and temper; fine steel jaws; steel wire chain; with ring and staple.

ONEIDA JUMP:—These traps are made with a specially compact construction; they can be set in places where other styles cannot be used; lighter in weight; easy to carry.

HAWLEY & NORTON (H. & N.):—These traps are made of the same materials and in the same way as the "Newhouse" but are of lighter construction although high in quality and durability.

NEWHOUSE:—The standard trap of the professional trapper; the most highly developed and finest trapping instrument made; each trap carefully fitted, inspected and tested.



No. 0. Victor. List per dozen 3.90

Single Spring; With Chain.

Plain jaws, 3½ inch spread; 16½ inch chain; 1½ inch pan; 6⅞ inches long over all; for small animals such as Weasels, Rats and Gophers; average weight per dozen, 5 pounds.

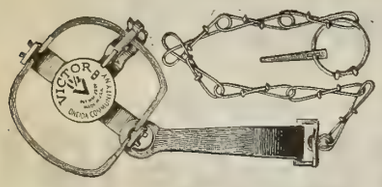
55 dozen in a package.

No. 1. Victor. List per dozen 4.50

Single Spring; with Chain.

Plain jaws, 4 inch spread; 18 inch chain; 1¾ inch pan; 8 inches long over all; for Mink, Skunk and Muskrat; average weight per dozen, 7½ pounds.

40 dozen in a package.



No. 1 1/2. Victor. List per dozen 6.90

Single Spring; with Chain.

Plain jaws, 4⅝ inch spread; 18 inch chain; 2⅛ inch pan; 9⅝ inches long over all; for Mink, Skunk, Raccoon, Muskrat, etc.; average weight per dozen, 11½ pounds.

25 dozen in a package.

No. 2. Victor. List per dozen 9.50

Double Spring; with Chain.

Plain jaws, 4⅝ inch spread; 19¾ inch chain; 2⅛ inch pan; 14⅝ inches long over all; for Raccoon, Fox and Wildcat; average weight per dozen, 13¾ pounds.

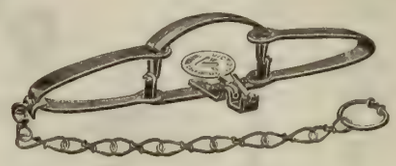
10 dozen in a package.

No. 3. Victor. List per dozen 16.00

Double Spring; with Chain.

Plain jaws, 5¼ inch spread; 23 inch chain; 2⅝ inch pan; 17 inches long over all; for Coyote, Fisher, Fox, Badger, etc.; average weight per dozen, 21½ pounds.

10 dozen in a package.

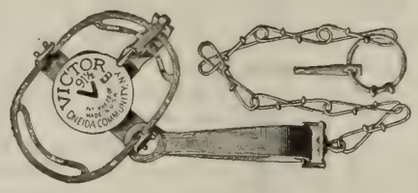


No. 4. Victor. List per dozen 19.50

Double Spring; with Chain.

Plain jaws, 5⅝ inch spread; 23 inch chain; 2⅝ inch pan; 19 inches long over all; for Lynx, Coyote, Badger, etc.; average weight per dozen, 24½ pounds.

9 dozen in a package.



No. 91. Victor. List per dozen 7.20

Double Jaws; Single Spring; with Chain.

Double jaws (to prevent gnawing); 4⅞ inch spread; 18 inch chain; 2⅛ inch pan; 8 inches long over all; for Mink, Skunk, Raccoon, Muskrat, etc.; average weight per dozen, 8¾ pounds.

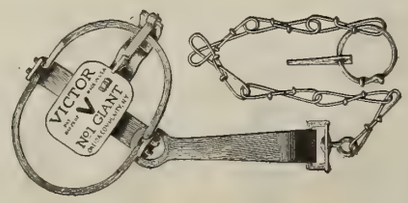
35 dozen in a package.

No. 91½. Victor. List per dozen 10.30

Double Jaws; Single Spring; with Chain.

Double jaws, (to prevent gnawing); 5½ inch spread; 19 inch chain; 2 3/8 inch pan; 9⅝ inches long over all; for Mink, Skunk, Raccoon, Muskrat, etc.; average weight per dozen, 12 pounds.

23 dozen in a package.

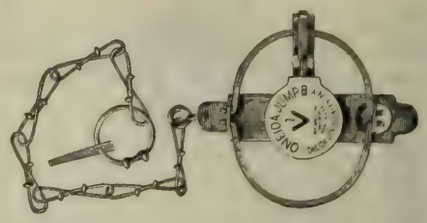


No. 1. Victor Giant. List per dozen 5.80

Single Spring; with Chain.

Wide spread, plain jaws, 4⅞ inch spread; 18 inch chain; 1¾ x 2⅜ inch pan; 8 inches long over all; for Skunk, Mink, Fisher, Marten; jaws catch far up on the animals legs; average weight per dozen, 8½ pounds.

25 dozen in a package.

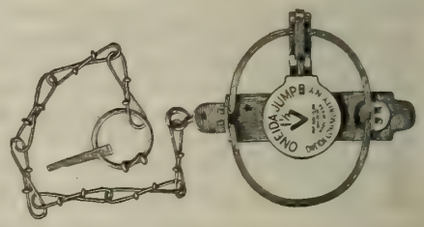


No. O. Oneida Jump. List per dozen 5.10

Single Spring; with Chain.

Plain jaws, 4 inch spread; 16½ inch chain; 1½ inch pan; 5¼ inches long over all; for Rats; Gophers and Weasels; average weight per dozen, 5½ pounds.

12 dozen in a package.



No. 1. Oneida Jump. List per dozen 5.80

Single Spring; with Chain.

Plain jaws, 5¼ inches spread; 18½ inch chain; 2¼ inch pan; 5⅞ inches long over all; for Muskrats, Skunk, Mink, etc.; average weight per dozen, 7½ pounds.

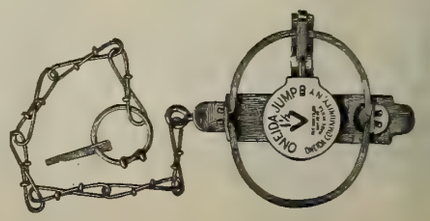
12 dozen in a package.

No. 1½. Oneida Jump. List per dozen.. 8.30

Single Spring; with Chain.

Plain jaws, 5¼ inch spread; 18 chain; 2¼ inch pan; 6⅛ inches long over all; for Mink, Skunk, Marten, Fisher, etc.; average weight per dozen, 9 pounds.

12 dozen in a package.



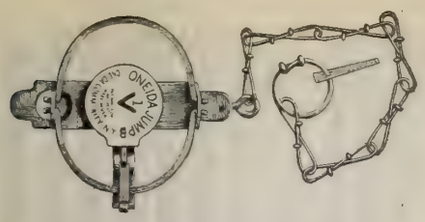
No. 2. Nneida Jump. List per dozen 12.80

Single Spring; with Chain.

Plain jaws, 5¾ inch spread; 20 inch chain; 2¾ inch pan; 7¼ inches long over all; for Fox, Fisher, Lynx, etc.; average weight per dozen, 14 pounds.

20 dozen in a package.

GAME TRAPS

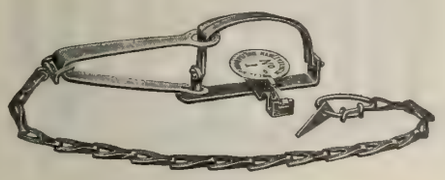


No. 3. Oneida Jump. List per dozen ... 17.30

Single Spring; with Chain.

Plain jaws, 6¾ inch spread; 22 inch chain; 3¼ inch pan; 9 inches long over all; for Fox, Wildcat, Lynx, etc.; average weight per dozen, 22 pounds.

12 dozen in a package.



No. 0. H. & N. List per dozen 7.30

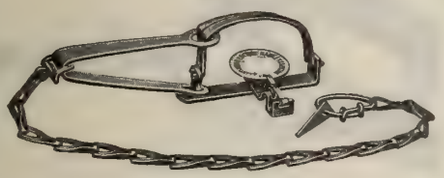
Single Spring; with Chain.

Plain jaws, 3½ inch spread; 16½ inch chain; 1½ inch pan; 6⅞ inches long over all; for Rat, Gopher, Weasel, etc.; average weight per dozen, 8 pounds.

No. 1. H. & N. List per dozen 8.60

Single Spring; with Chain.

Plain jaws, 4 inch spread; 18½ inch chain; 1¾ inch pan; 8⅛ inches long over all; for Muskrat, Mink, Skunk, etc.; average weight per dozen, 8 pounds.



No. 1½. H. & N. List per dozen 13.10

Single Spring; with Chain.

Plain jaws, 4⅝ inch spread; 19¾ inch chain; 2⅛ inch pan; 9⅝ inches long over all; for Raccoon, Fisher and all smaller animals; average weight per dozen, 13 pounds.

No. 2. H. & N. List per dozen 18.20

Double Spring; with Chain.

Plain jaws, 4⅝ inch spread; 19¾ inch chain; 2⅛ inch pan; 14⅝ inches long over all; for Fox, Raccoon, etc.; average weight per dozen, 16 pounds.

No. 3. H. & N. List per dozen 24.30

Double Spring; with Chain.

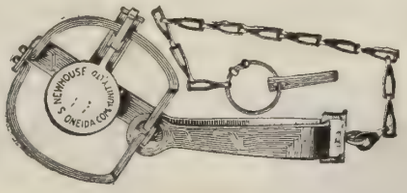
Plain jaws, 5¼ inch spread; 23 inch chain; 2⅝ inch pan; 17 inches long over all; for Coyote, Otter and Lynx; average weight per dozen, 25 pounds.

GAME TRAPS

No. 4. H. & N. List per dozen 28.70

Double Spring; with Chain.

Plain jaws, 5⅞ inch spread; 23 inch chain; 2⅝ inch pan; 19 inches long over all; will hold Beaver, Coyote, Otter, as well as Timber Wolves; average weight per dozen, 29 pounds.

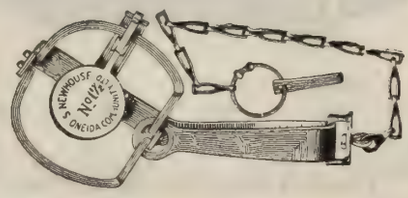


No. 0. Newhouse. List per dozen 10.90

Single Spring; with Chain.

Plain jaws, 3½ inch spread; 19½ inch chain; 1⅝ inch pan; 6⅞ inches long over all; for Weasel, Gopher and Rats; average weight per dozen, 7½ pounds.

12 dozen in a package.



No. 1. Newhouse. List per dozen 12.80

Single Spring; with Chain.

Plain jaws, 4 inch spread; 19½ inch chain; 1¾ inch pan; 8⅛ inches long over all; for Mink, Skunk, Marten, etc.; average weight per dozen, 10 pounds.

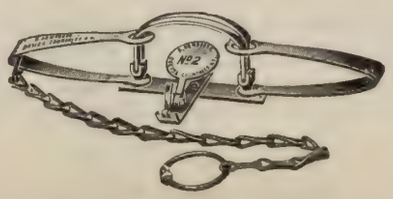
12 dozen in a package.

No. 1½. Newhouse. List per dozen ... 19.20

Single Spring; with Chain.

Plain jaws, 4⅝ inch spread; 22 inch chain; threaded jaw post with nut; 2⅛ inch pan; 9⅝ inches long over all; for Raccoon, Fox, Fisher, etc.; average weight per dozen, 14 pounds.

12 dozen in a package.



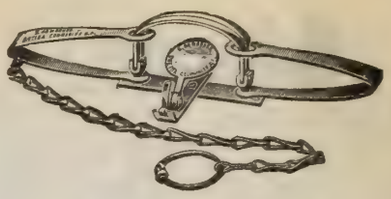
No. 2. Newhouse. List per dozen 28.80

Double Spring; with Chain.

Plain jaws, 4⅝ inch spread; 22 inch chain; threaded jaw posts, with nut; 2¼ inch pan; 14⅝ inches long over all; for Fox, Lynx, Wildcat, etc.; average weight per dozen, 18 pounds.

12 dozen in a package.

GAME TRAPS

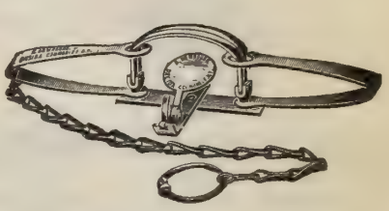


No. 3. Newhouse. List per dozen 38.40

Double Spring; with Chain.

Plain jaws, 5½ inch spread; 26 inch chain; threaded jaw posts, with nut; 2½ inch pan; 17 inches long over all; for Coyotes, Beaver, Badger, etc.; average weight per dozen, 28½ pounds.

12 dozen in a package.

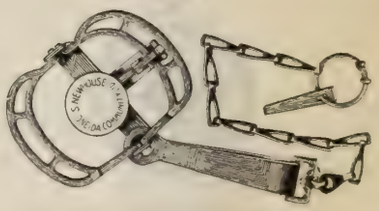


No. 4. Newhouse. List per dozen 44.80

Double Spring; with Chain.

Plain jaws; 6½ inch spread; 26 inch chain; threaded jaw posts, with nut; 2¾ inch pan; 19 inches long over all; for Beaver, Wolves, Wolverines, etc.; average weight per dozen, 38 pounds.

12 dozen in a package.



No. 91½. Newhouse. List per dozen .. 18.50

Double Jaws; Single Spring; with Chain.

Double jaws, (to prevent gnawing); 6¼ inch spread; 22 inch chain; threaded jaw post, with nut; 2⅛ inch pan; 9⅝ inches long over all; for Skunk, Raccoon, etc.; average weight per dozen, 16½ pounds.

35 dozen in a package.

No. 50. Newhouse. List per dozen ... 246.60

Bear Trap.

Double Spring; with Chain.

Jaws with teeth, 9½ inch spread; 17 inch heavy chain attached to bottom of trap; 4¼ inch pan; 27 inches long over all; for small Bears and Mountain Lions; average weight each, 11 pounds.

No. 5. Newhouse. List per dozen 354.00

Standard Trap for Black Bear.

Double Spring; with Chain.

Jaws with teeth, 11¾ inch spread; 18 inch heavy chain attached to bottom of trap; 4 inch pan; 34½ inches long over all; average weight each, 19½ pounds.

GAME TRAP CLAMPS

No. 5. List per dozen 15.90

Malleable iron frame and plate with claws to prevent slipping; opens 4½ inches; threaded steel screw, ⅜ inch diameter with 2¾ inch grip; for setting bear traps Nos. 5 and 50; average weight per dozen 10½ pounds.

Open stock.

COMPASSES

"TELAWAY."

No. 2905. List per dozen 16.80

Black bronzed brass case 1½ inch diameter; ⅜ inch thick; with ring; enamelled card dial accurately divided and figured in black; flat needle with jewel centre; bevelled crystal glass; each compass in a carton, 12 packed in a counter display box; average weight per dozen, ⅝ pound.

1 dozen in a box.

"LEEDAWL."

No. 2910. List per dozen 28.00

Nickel plated white metal case (with ring) 1⅝ inch diameter; ½ inch thick; untarnishable silvered-metal dial accurately divided and figured in black; half blued flat needle set on heavy tempered steel point; jewel centre; screw stop; snap-in bevelled crystal glass; each compass in a carton; packed 12 in a counter display box; average weight per dozen, 1 pound.

1 dozen in a box.

"GYDAWL."

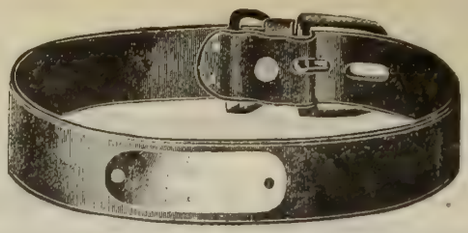
No. 2914. List per dozen 60.00

Hunter Style Case.

Nickel plated white metal case with hinged cover and ring; 1¾ inches diameter; ½ inch thick; untarnishable silvered-metal dial accurately divided and figured black; half blued flat needle with jewel centre set on special steel point; lid stop; strongly hinged cover; snap in bevelled crystal glass; each compass in a carton; average weight per dozen, 2 pounds.

1/2 dozen in a box.

DOG COLLARS

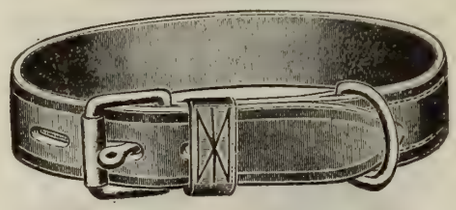


No.	Width, Ins.	Length, Ins.	App. wt. doz., lbs.	List dozen
700	¾	15	1¼	4.80
705	⅞	17	1½	6.70
710	1	19	1¾	8.00

Single Leather; with Name Plate.

Fine grade russett leather; nickel plated trimmings; rivetted loop tongue buckle to be used with a padlock; plain adjusting holes.

3 dozen in a box.

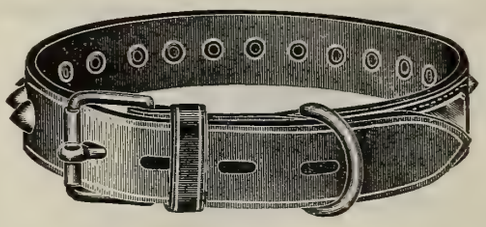


No.	Width, Ins.	Length, Ins.	App. wt. doz., lbs.	List doze
800	1	19	1¼	9.00

Single Leather; with Name Plate.

Fine russett harness leather; nickel plated trimmings; hand and machine sewed; loop tongue roller buckle for use with padlock; with Dee and leather loop; plain adjusting holes.

2 dozen in a box.



No.	Width, Ins.	Length, Ins.	App. wt. doz., lbs.	List dozen
850	¾	15	1⅜	12.00
855	⅞	17	2⅛	16.80
860	1	19	2½	16.80

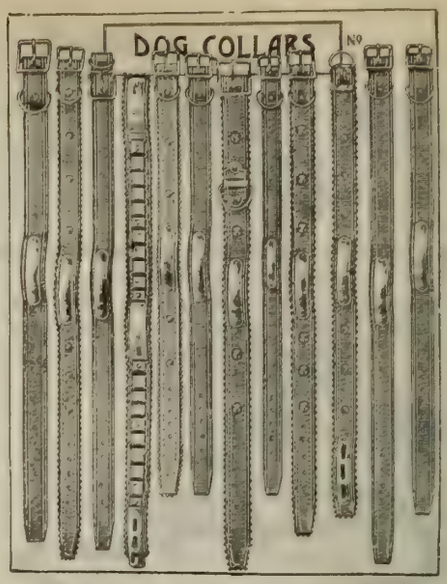
Single Leather; Studded.

Fine English russett leather; hand and machine sewed; brass trimmings; loop tongue roller buckle for use with padlock; single row of studs; riveted name plate; Dee and leather loop; plain adjusting holes.

No. 850, 2 dozen in a box.

Nos. 855-860, 1 dozen in a box.

DOG COLLARS



ASSORTED.

No. 101. List per card 7.00

12 Collars on a Card.

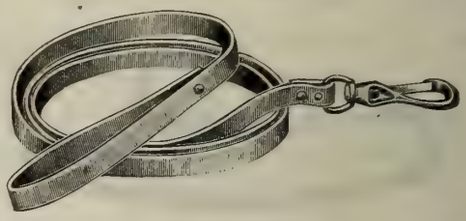
A well selected assortment from size ⅝ x 15 to 1 x 20 inch; in various colors and trims; includes plain, studded and felt lined collars; mounted on a card 22 x 14¼ inches; average weight each, 1½ pounds.

Sold only in full cards.

DOG CHAINS

will be found on page 243.

DOG LEADS



LEATHER.

No. 6. List per dozen 6.80

Single Strap.

Russett horsehide leather; ⅜ inches wide; assorted lengths from 48 to 60 inches; riveted hand loop; nickel plated swivel snap; average weight per dozen, 1½ pounds.

1 dozen in a box.

LEATHER.

No. 3. List per dozen 14.40

Single, Round Strap.

A good strong round lead, strongly sewn throughout; approximate diameter ¼ inch; average length over all 5½ feet; flat hand loop; nickel plated swivel snap; average weight per dozen, 2 pounds.

1 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

COMPASSES

No. 17. List per dozen 6.00
Brass case, lacquered finish; 1⅝-inch diameter; 3/8 inch thick; with ring; untarnishable silvered metal dial accurately divided; half blued flat needle set on heavy tempered steel point; slide stop; snap in bevelled crystal glass; average weight per dozen, 7/8 pound.

1 dozen in a box.

No. 12. List per dozen 9.60
Brass case, lacquered finish; 1 13/16-inch diameter; 3/8-inch thick; with ring; untarnishable silvered metal dial accurately divided and figured in black; half blued flat steel needle set on heavy tempered steel point; jewel centre; slide stop; snap-in bevelled crystal glass; average weight per dozen, 1¼ pounds.

1 dozen in a box.

COMPASSES

No. 19. List per dozen 13.20
Hunter Style Case.
Brass case, lacquered finish; 1 13/16 inch diameter; 1/2-inch thick; with ring; untarnishable silvered metal dial accurately divided and figured in black; half blued flat steel needle set on heavy tempered steel point; jewel centre; slide stop; strongly hinged cover; snap-in bevelled crystal glass; average weight per dozen, 1½ pounds.

1 dozen in a box.

No. 21. List per dozen 36.00
Hunter Style Case.
Nickel plated brass case with hinged cover and ring; 1¾ inches diameter; 5/8 inch thick; untarnishable silvered metal dial accurately divided and figured in black; bar needle; agate bearing; lid stop; strongly hinged cover; snap-in bevelled crystal glass; average weight per dozen, 1¾ pounds.

1 dozen in a box.

SPADES AND SHOVELS

"JONES" Plain Back; Strapped:—

One-piece blade and strap of special analysis shovel steel, carefully tempered; blade has thick centre graduating towards the edges and point.

Handles are of selected second growth ash carefully fitted and securely rivetted; short handles have the Jones patent split D with steel end caps.

"OLDS" Plain Back; Strapped:—

These tools are the same pattern and are made by the same process as the "Jones"; they are, however, lighter in weight, though very serviceable.

"STAR" Hollow Back; Socket.

One-piece blade and socket of 14 and 15 gauge high carbon sheet steel; they are strong and durable, being excellent tools for all kinds of light work.

Handles are of selected ash, carefully fitted and securely rivetted; short handles have the "Jones" patent split D with steel end caps.

"BLACK CAT" Hollow Back; Socket.

One-piece blade and socket of high carbon sheet steel; made for lighter work.

Handles are of selected ash, carefully fitted and securely rivetted; short handles have the patent split D with steel end caps.

"BULL DOG" Plain Back; Solid Shank; Socket.

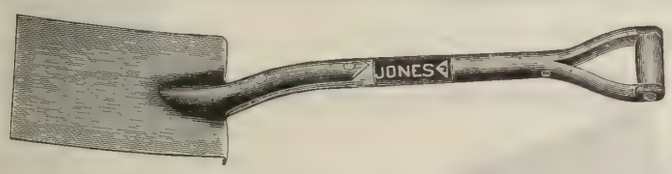
One-piece blade and socket of High Carbon shovel steel; carefully tempered; graduated in thickness from the centre; solid shank at "bend"; split socket.

Handles are the highest grade of straight grained ash, carefully fitted and securely rivetted, short handles have split D with steel end caps.

"FOX" Plain Back; Solid Shank; Socket.

Made exactly in the same way as the "Bull Dog", the only difference being that they are lighter in weight, though a good tool for general use.

D HANDLE GARDEN SPADES



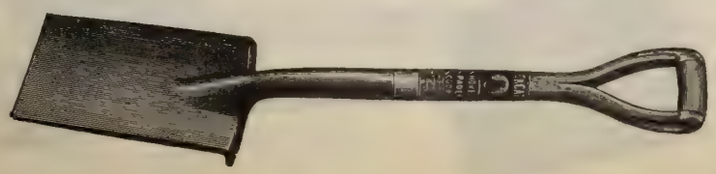
"Jones". Black. List per dozen 27.30
Size 2; square mouth; blade 12 x 7¼ inches; split D handle; length over all, 38 inches; average weight per dozen, 57 pounds.

"Olds". Black. List per dozen 23.50
Size 2; square mouth; blade 12 x 7¼ inches; split D handle; length over all, 38 inches; average weight per dozen, 53 pounds.

"Bull Dog". Black. List per dozen 27.30
Size 2; square mouth; blade 12 x 7½ inches; split D handle with solid caps; length over all, 38 inches; average weight per dozen, 60 pounds.

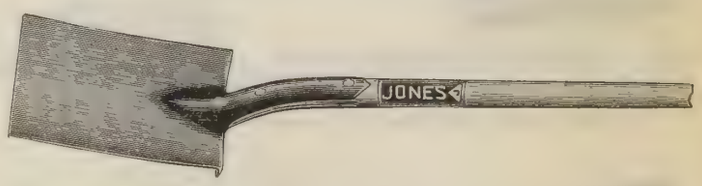
"Fox". Black. List per dozen 23.50
Size 2; square mouth; blade 12 x 7½ inches; split D handle with solid caps; length over all, 38 inches; average weight per dozen, 58 pounds.

"Star". Black. List per dozen 22.60
Size 2; square mouth; blade 12 x 7¼ inches; split D handle; length over all, 37 inches; average weight per dozen, 50 pounds.



"Black Cat". Black. List per dozen 22.60
Size 2; square mouth; blade 12 x 7¼ inches; split D handle; length over all 37 inches; average weight per dozen, 55 pounds

LONG HANDLE GARDEN SPADES



"Olds". Black. List per dozen 23.50
Size 2; square mouth; blade 12 x 7¼ inches; length over all 61 inches; average weight per dozen, 55 pounds.

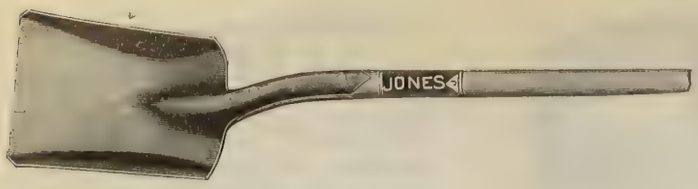
"Fox". Black. List per dozen 23.50
Size 2; square mouth; blade 12 x 7¼ inches; length over all, 61 inches; average weight per dozen, 64 pounds.

"Star". Black. List per dozen 22.60
Size 2; square mouth; blade 12 x 7¼ inches; length over all, 60½ inches; average weight per dozen, 52 pounds.

"Black Cat". Black. List per dozen 22.60
Size 2; square mouth; blade 12 x 7¼ inches; length over all, 60 inches; average weight per dozen, 60 pounds.

All 1/2 dozen in a bundle.

LONG HANDLE, SQUARE MOUTH SHOVELS



"Jones". Black. List per dozen 27.30

Size 2; blade 12 x 9⅞ inches; length over all, 61 inches; average weight per dozen, 65 pounds.

"Olds". Black. List per dozen 23.50

Size 2; blade 12 x 9⅞ inches; length over all, 61 inches; average weight per dozen, 57 pounds.

"Bull Dog". Black. List per dozen 27.30

Size 2; blade 12¼ x 9¾ inches; length over all, 60 inches; average weight per dozen, 70 pounds.

"Fox". Black. List per dozen 23.50

Size 2; blade 12¼ x 9¾ inches; length over all, 60 inches; average weight per dozen, 62 pounds.

"Star". Black. List per dozen 22.60

Size 2; blade 12⅜ x 10 inches; length over all, 60 inches; average weight per dozen, 52 pounds.

"Black Cat". Black. List per dozen 22.60

Size 2; blade 12 x 9¾ inches; length over all, 61 inches; average weight per dozen, 56 pounds.

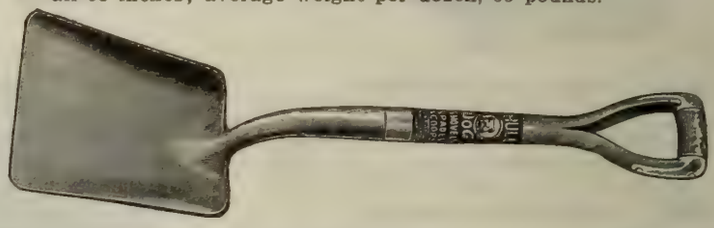
D HANDLE, SQUARE MOUTH SHOVELS

"Jones". Black. List per dozen 27.30

Size 2; blade 12 x 9⅞ inches; split D handle; length over all, 38 inches; average weight per dozen, 60 pounds.

"Olds". Black. List per dozen 23.50

Size 2; blade 12 x 9⅞ inches; split D handle; length over all 38 inches; average weight per dozen, 53 pounds.

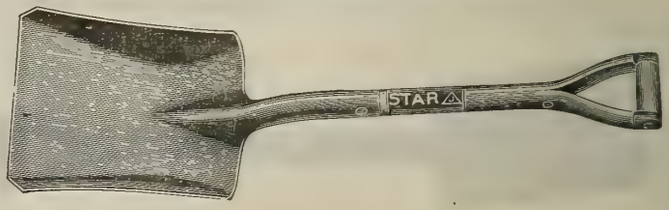


"Bull Dog". Black. List per dozen 27.30

Size 2; blade 12¼ x 9¾ inches; split D handle; length over all, 38 inches; average weight per dozen, 63 pounds.

"Fox". Black. List per dozen 23.50

Size 2; blade 12¼ x 9¾ inches; split D handle; length over all, 38 inches; average weight per dozen, 60 pounds.



"Star". Black. List per dozen 22.60

Size 2; blade 12⅜ x 10 inches; split D handle; length over all 37 inches; average weight per dozen, 50 pounds.

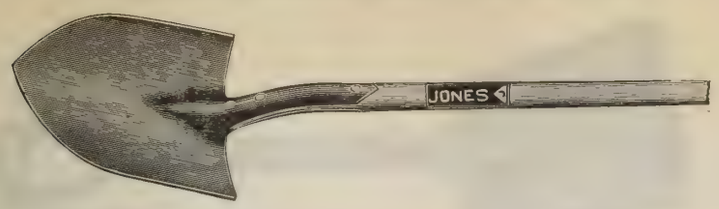
"Black Cat". Black. List per dozen 22.60

Size 2; blade 12 x 9¾ inches; split D handle; length over all, 39 inches; average weight per dozen, 53 pounds.

All 1/2 dozen in a bundle.

H. S. HOWLAND, SONS & CO., LIMITED WHOLESALE HARDWARE, TORONTO, CANADA.

LONG HANDLE, ROUND POINT, WIDE SHOVELS



"Jones". Black. List per dozen 27.30
Size 2; blade 11¾ x 9¼ inches; length over all, 61 inches; average weight per dozen, 65 pounds.

"Olds". Black. List per dozen 23.50
Size 2; blade 11¾ x 9 inches; length over all, 60 inches; average weight per dozen, 57 pounds.

"Bull Dog". Black. List per dozen 27.30
Size 2; blade 12 x 9¼ inches; length over all, 60 inches; average weight per dozen, 63 pounds.

"Fox". Black. List per dozen 23.50
Size 2; blade 12 x 9¼ inches; length over all, 60 inches; average weight per dozen, 60 pounds.

"Star". Black. List per dozen 22.60
Size 2; blade 12 x 9 inches; length over all, 60 inches; average weight per dozen, 52 pounds.

"Black Cat". Black. List per dozen 22.60
Size 2; blade 12¼ x 9 inches; length over all, 60 inches; average weight per dozen, 53 pounds.

LONG HANDLE, ROUND POINT, NARROW, SHOVELS

"Jones". Black. List per dozen 27.30
Size 2; blade 12 x 8 inches; length over all, 61 inches; average weight per dozen, 60 pounds.

"Olds". Black. List per dozen 23.50
Size 2; blade 12 x 8 inches; length over all, 60½ inches; average weight per dozen, 55 pounds.

"Bull Dog". Black. List per dozen 27.30
Size 2; blade 12 x 8 inches; length over all, 60 inches; average weight per dozen, 60 pounds.

"Fox". Black. List per dozen 23.50
Size 2; blade 12 x 8 inches; length over all, 60 inches; average weight per dozen, 58 pounds.

LONG HANDLE, ROUND POINT, NARROW, SHOVELS

"Star". Black. List per dozen 22.60
Size 2; blade 12 x 7¾ inches; length over all, 60 inches; average weight per dozen, 52 pounds.

"Black Cat". Black. List per dozen 22.60
Size 2; blade 12 x 8¼ inches; length over all, 61 inches; average weight per dozen, 50 pounds.

D HANDLE, ROUND POINT, SHOVELS

"Jones". Black. List per dozen 27.30
Size 2; blade 12½ x 9 inches; split D handle; length over all, 38 inches; average weight per dozen, 60 pounds.

"Olds". Black. List per dozen 23.50
Size 2; blade 12 x 8¾ inches; split D handle; length over all 38 inches; average weight per dozen, 53 pounds.

"Bull Dog". Black. List per dozen 27.30
Size 2; blade 12½ x 9¾ inches; split D handle; length over all, 39½ inches; average weight per dozen, 60 pounds.

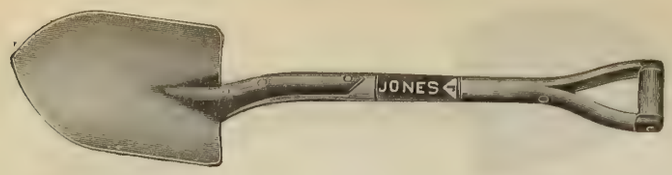
"Fox". Black. List per dozen 23.50
Size 2; blade 12½ x 9 inches; split D handle; length over all 38¾ inches; average weight per dozen, 58 pounds.

"Star". Black. List per dozen 22.60
Size 2; blade 13 x 9 inches; split D handle; length over all, 38 inches; average weight per dozen, 50 pounds.

"Black Cat". Black. List per dozen 22.60
Size 2; blade 13 x 9 inches; split D handle; length over all, 38½ inches; average weight per dozen, 50 pounds.

All 1/2 dozen in a bundle.

CONTRACTORS D HANDLE ROUND POINT SHOVELS



"Jones". Black. List per dozen 28.00

Size 3; blade 13 x 9¼ inches; split D handle; length over all 39 inches; average weight per dozen, 65 pounds.

"Bull Dog". Black. List per dozen 28.00

Size 3; blade 13 x 9¼ inches; split D handle; length over all, 38½ inches; average weight per dozen, 65 pounds.

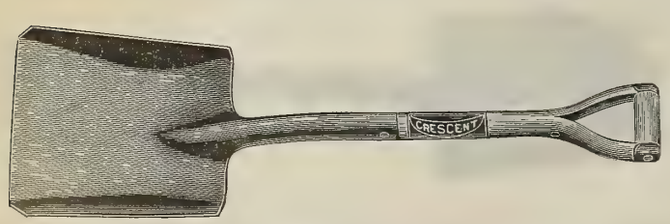
SAND SHOVELS

"JONES".

Size.	Blade, ins.	App. weight doz., lbs.	List per dozen.
2	12½x11	54	25.90
4	13 x11¾	56	27.30
5	14 x12	58	28.00
6	14½x13¼	60	28.70

Hollow Back, Socket, Black.

Made from 15 gauge high carbon sheet steel; one-piece socket and blade, carefully tempered; split D handle; average length over all, 41½ inches.



"CRESCENT".

Size.	Blade, ins.	App. weight doz., lbs.	List per dozen.
2	12½x11	50	23.30
4	13 x11¾	52	24.00
5	14 x12	54	24.70
6	14½x13¼	56	25.40

Hollow Back; Socket; Black.

Made from 15 gauge high carbon sheet steel; one-piece blade and socket, carefully tempered; split D handle; average length over all, 41 inches; lighter in weight than the "Jones".

SAND SHOVELS

"MOOSE".

Size.	Blade, ins.	App. weight doz., lbs.	List per dozen.
3	12½x10¼	55	26.60
4	13 x10¾	62	27.30
5	13½x11¼	64	28.00

Hollow Back; Socket; Black.

One-piece blade and socket of high carbon sheet steel; split D handle of selected ash, carefully fitted and securely rivetted; average length over all, 40 inches; a good shovel for lighter work.

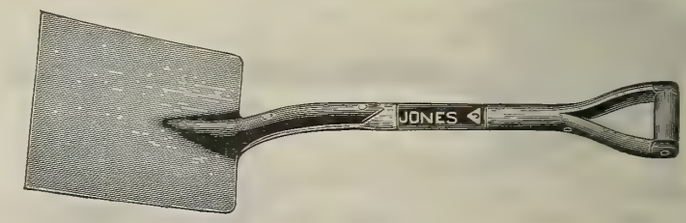
"PARKES" No. 612.

Size.	Blade, ins.	App. weight doz., lbs.	List per dozen.
3	12½x10¼	55	40.00
4	13 x11	57	42.00
5	13½x11½	63	44.00

Hollow Back; Socket; Black.

One-piece blade and socket of high grade English steel; 15 gauge; selected, straight grained ash handle with rivetted wood D, carefully and securely fitted; average length over all, 38½ inches.

MOULDERS SHOVELS



"Jones". Bright. List per dozen 29.30

Size 2; blade 12 x 10 inches; square mouth; split D handle; length over all, 38 inches; average weight per dozen, 56 pounds.

"Bull Dog". Bright. List per dozen 29.30

Size 2; blade 12 x 10 inches; square mouth; split D handle with solid end caps; length over all, 38 inches; average weight per dozen, 60 pounds.

All 1/2 dozen in a bundle.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

SAND SHOVELS

"BLACK CAT"

Size 2. List per dozen 24.00

Hollow Back; Socket; Black.

Size 2; blade 9¾ x 12 inches; square mouth; split D handle with solid end caps; length over all, 38½ inches; average weight per dozen, 54 pounds.

1/2 dozen in a bundle.

SCOOPS

"JONES".

Size, No.	Blade ins.	Length over all, ins.	App. wt. dozen, pounds.	List per dozen.
2	16½x12½	41	65	32.50
4	16½x13	42	67	33.90
5	16¾x13⅜	43	70	34.60
6	18¾x14¼	43	75	35.30
8	19½x15¼	43	78	36.70
10	20 x16	43	80	38.10

D Handle, Hollow Back, Socket Scoops; Black.

For Locomotive, Coal and Grain.

One-piece, 15 gauge high carbon rolled steel blade and socket; selected, straight grained, second growth white ash handle with split D, carefully fitted and firmly rivetted; heavier in weight and higher in grade than the Crescent Brand.

"CRESCENT".

Size, No.	Blade ins.	Length over all, ins.	App. wt. dozen, pounds.	List per dozen.
2	16½x12½	40	62	30.10
4	16½x13	42	65	31.50
5	16¾x13⅜	42	67	32.20
6	18¾x14¼	42	70	32.90
8	19½x15¼	43	73	34.30
10	20 x16	43½	75	35.70

D Handle, Hollow Back, Socket Scoops; Black.

For Coal and Grain.

15 gauge high carbon sheet steel blade; one-piece blade and socket; selected white ash handle with split D, carefully fitted and firmly rivetted.

"BLACK CAT".

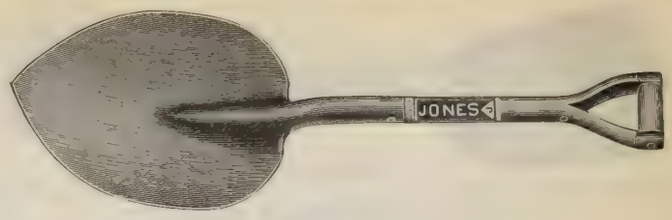
Size, No.	Blade ins.	Length over all, ins.	App. wt. dozen, pounds.	List per dozen.
2	15 x11	42	65	30.10
4	16 x11¼	42½	68	31.50
5	16½x11¾	42½	70	32.20
6	17 x12¼	43	73	32.90
8	18 x13¾	43½	75	34.30
10	19 x14½	43¾	78	35.70

D Handle, Hollow Back, Socket Scoops; Black.

For Coal and Grain.

One-piece blade and socket of high carbon sheet steel, reinforced to give additional strength; fitted with selected ash handle with split D which has solid caps.

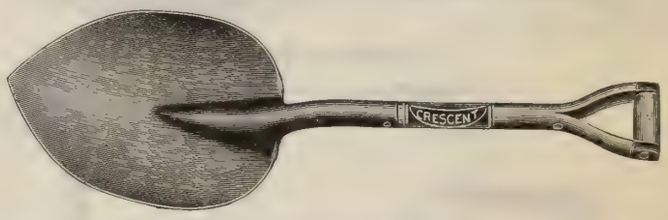
BREAKDOWN SCOOPS



"Jones". List per dozen 38.10

D Handle, Round Point, Hollow Back, Socket; Black.

Size 6; one-piece blade and socket of 14 gauge high carbon steel; blade 18 x 14 inches; selected ash handle with split D, carefully fitted and firmly rivetted; length over all, 43 inches; heavier in weight and higher in grade than the Crescent; average weight per dozen, 75 pounds.



"Crescent". List per dozen 32.90

D Handle, Round Point, Hollow Back, Socket; Black.

Size 6; one-piece sheet steel blade and socket of 14 gauge high carbon steel; blade 18 x 14 inches; ash handle with split D, carefully fitted and firmly rivetted; length over all, 42 inches; average weight per dozen, 70 pounds.

"BLACK CAT".

Size, No.	Blade ins.	Length over all, ins.	App. wt. dozen, pounds.	List per dozen.
4	16x11	42½	64½	31.50
6	17x11½	43	72	32.90

D Handle, Round Point, Hollow Back Socket; Black.

One-piece sheet steel blade and socket of high carbon steel, ribbed down the centre; selected ash handle has split D with solid caps, carefully fitted and securely rivetted.

All 1/2 dozen in a bundle.

HOUSE FURNACE SCOOPS

D Handle. List per dozen 11.00

Hollow Back, Socket; Black.

One-piece rolled steel blade and socket; size 2; blade 13 x 9½ inches; made with flat lift for convenience in furnace work; ash handle with malleable D top and wood grip; length over all, 44 inches; average weight per dozen, 50 pounds.

1/2 dozen in a bundle.

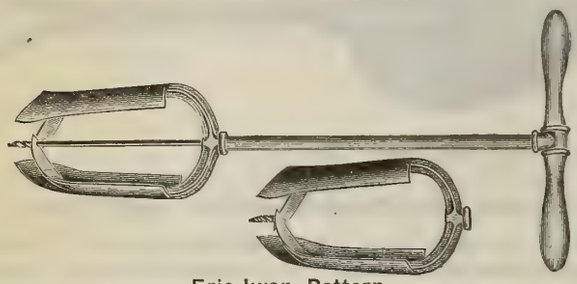
Long Handle. List per dozen 11.00

Hollow Back, Socket; Black.

One-piece rolled steel blade and socket; blade 13½ x 8¾ inches; flat lift for convenience in furnace work; long ash handle; length over all, 61 inches; average weight per dozen, 43½ pounds.

1/2 dozen in a bundle.

POST HOLE AUGERS



Erie-Iwan Pattern.

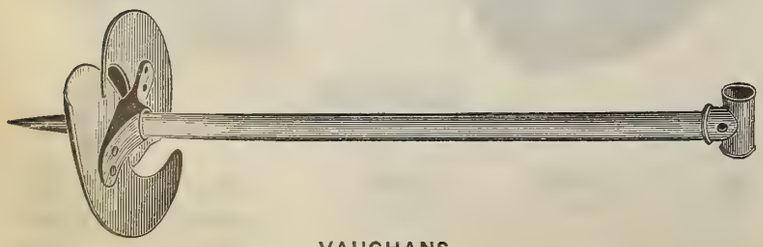
Diameter, ins. (hole size)	8	9
List per dozen	54.00	58.00
App. weight dozen, pounds	136	142

With Long and Short Centreing Bits.
Black Japanned Finish.

A fast and easy boring tool; cast steel blades ground and sharpened, firmly rivetted to heavy malleable iron yoke; wrought iron tubular rod, 1 inch diameter, 32 inches long; with long and short centre bits, the long one for sandy soil and the shorter one for use in stiff soil; these rods have twisted points and cause the auger to bore a straight hole as well as locking the blades together; 1½ inch hardwood cross-bar handle.

Open stock.

POST HOLE AUGERS



VAUGHANS

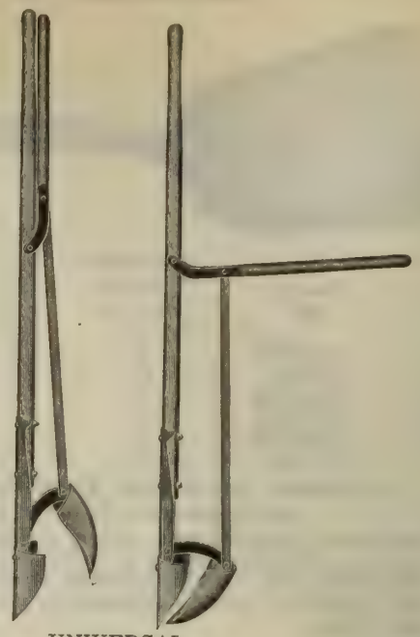
Size, inches	8	9	10
List per dozen	35.60	38.80	43.80
App. weight dozen, lbs.	68	76	80

Japanned.

Forged steel bent blades, securely rivetted to one-piece malleable iron shoulder and point; point 3½ inches long; threaded tubular steel handle, ⅞ inch diameter, 41 inches long with T head for 1⅜ inch cross-bar.

Open stock.

POST HOLE DIGGERS



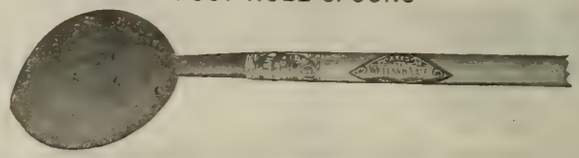
UNIVERSAL

No.	Length.	Will dig.	App. wt. doz., lbs.	List per dozen.
1	4′ 10″	2′ 10″	176	60.00
2	5′ 10″	3′ 8″	200	63.20

12 gauge high carbon shovel steel blades; stationary blade 7 x 6¾ inches; scoop blade (9 x 6¼ inches), operated by lever formed from 12 gauge sheet steel; best malleable iron castings; 2-piece steel link 1/2 x 3/4 inch; hardwood handle 1⅜ inches square x 4 feet long, bolted to socket; for use in any kind of soil; adjustable for different sizes of holes.

Open stock.

POST HOLE SPOONS



Length of handle, feet	6	8
List per dozen	38.00	50.40
App. weight dozen, pounds	69	82

Black painted cast steel blade 8½ x 9¾ inches; one-piece malleable iron shank and back plate securely rivetted to blade; plain steel ferrule; selected ash handle 1½ and 1⅝ inch diameter.

1/2 dozen in a bundle.

DRAIN CLEANERS

Size, inches	4	5
List per dozen	41.50	41.50
Size of blade, inches	4x15	5x15
App. weight dozen, lbs.	60	63

Adjustable.

Blue lacquered tempered steel concave blade, rivetted to malleable iron yoke; self-color malleable iron shank socket; bolted ratchet friction hinge joint; adjustable to any angle; 6 foot white ash handle of the best grade 1⅜ inch diameter.

1/4 dozen in a bundle.

DRAINING SPADES

"JONES".

Size.	Blade. ins.	Length over all, inches.	App. wt. dozen, pounds.	List per dozen.
3	16½x5½x4	42½	60	27.30
2	17 x6½x5	43	65	27.30

D Handle, Plain Back, Strapped; Black.

One-piece, concave tapering blade and straps rolled from a solid bar of special shovel steel; selected ash handle with split D, carefully fitted and securely rivetted.

1/2 dozen in a bundle.

"BULL DOG".

Length (Blade) ins.	Length over all, inches.	App. weight dozen, pounds.	List per dozen.
12	36½	52	29.30
14	42½	54	29.30
16	43	57	29.30

D Handle, Solid Shank, Socket; Bright.

One-piece, concave, tapering blade and socket, rolled and forged from a solid bar of high carbon steel; top of blade 5¼ inches, point 4¼ inches wide; selected ash handle with solid steel capped split D, carefully fitted and securely rivetted.

1/2 dozen in a bundle.

HARDY'S DRAINING SPADES

No. 100. List per dozen 51.00
Blade 17 x 5½ x 3 inches; app. weight dozen, 77 pounds.

No. 101. List per dozen 53.00
Blade 18 x 6 x 3½ inches; app. weight dozen, 83 pounds.

D Handle; Long Strapped.

One-piece heavy blade and extra long straps forged from solid bar of English cast steel; carefully polished and tempered blade deeply concaved with decided taper; 28 inch handle of best selected, straight grained, seasoned ash with wood "D".

1/2 dozen in a bundle.

DITCHING SPADE

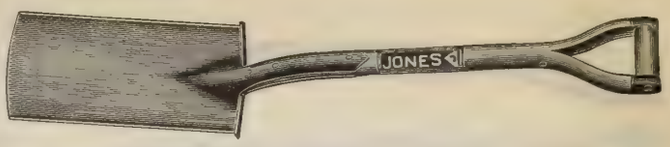
"Jones". List per dozen 29.30

D Handle, Plain Back, Strapped; Bright.

One-piece, tapering blade and straps rolled from a solid bar of special shovel steel; square mouth blade (with shoulder caps) 14¾ x 7½ x 6½ inches; selected ash handle with split D, carefully fitted and firmly rivetted; length over all, 41 inches; average weight per dozen, 60 pounds.

1/2 dozen in a bundle.

POST HOLE SPADES



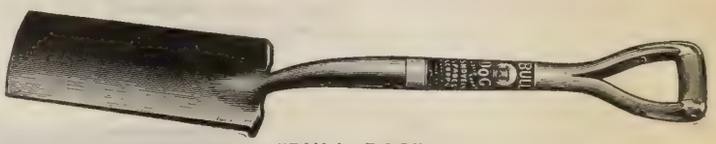
"JONES".

Size. ins.	Blade. ins.	Length over all, inches.	App. wt. dozen, pounds.	List per dozen.
12	12x6¼	38	65	29.30
14	14x6¼	40	65	29.30
16	16x6¼	42	65	29.30

D Handle, Plain Back, Strapped; Bright.

One-piece, square mouth, concave blade and straps rolled from a solid bar of special shovel steel; (with shoulder caps); selected ash handle with split D, carefully fitted and firmly rivetted.

1/2 dozen in a bundle.



"BULL DOG".

Length (Blade) ins.	Length over all, inches.	App. weight dozen, pounds.	List per dozen.
12	39	55	29.30
14	42½	60	29.30
16	43½	65	29.30

D Handle, Solid Shank, Socket; Bright.

One-piece concave blade and socket, rolled and forged from a solid bar of high carbon steel; oval mouth; top of blade 5½ inches, point 6¼ inches wide; selected ash handle with split D, carefully fitted and securely rivetted.

1/2 dozen in a bundle.

CLAY SPADES

"Jones"; Size 2. List per dozen 29.30

D Handle, Plain Back, Strapped; Bright.

One-piece, oval mouth, concave blade and straps rolled from a solid bar of special shovel steel; blade 12¼ x 6½ inches; selected ash handle with split D, carefully fitted and firmly rivetted; length over all, 40 inches; average weight per dozen, 60 pounds.

1/2 dozen in a bundle.

BLACKS SODDING SPADES

No. 2. List per dozen 36.55

D Handle; Long Strapped.

Heavy one-piece blade and long straps of English cast steel; carefully tempered blade slightly curved, with shoulder caps, 11¾ inches long, 7½ inches wide, half polished; 28 inch handle of selected straight grained seasoned ash with wood "D"; average weight per dozen, 80 pounds.

1/2 dozen in a bundle.

SPADE, SHOVEL AND SCOOP HANDLES

D Spade Handles. List per dozen 10.10

Bent; With Rivets; For All Strapped Spades.

First quality seasoned ash; 29½ inches long over all, 1½ inch diameter; split D handle with rivetted steel end caps; also with rivet through handle just below fork to prevent splitting; average weight per dozen, 15 pounds.

1 dozen in a bundle.

D Shovel Handles. List per dozen 10.10

Bent; With Rivets; For All Strapped Shovels.

First quality seasoned ash; 29½ inches long over all, 1½ inches diameter; split D handle with rivetted steel end caps; also with rivet through handle just below the fork to prevent splitting; average weight per dozen, 17 pounds.

1 dozen in a bundle.

Long Spade Handles. List per dozen 10.10

Bent; For All Strapped Spades.

First quality seasoned ash; 52½ inches long over all, 1½ inch diameter at bend; tapering; average weight per dozen, 24 pounds.

1 dozen in a bundle.

Long Shovel Handles. List per dozen 10.10

Bent; For All Strapped Shovels.

First quality seasoned ash; 52½ inches long over all, 1½ inches diameter at bend; tapering; average weight per dozen, 24 pounds.

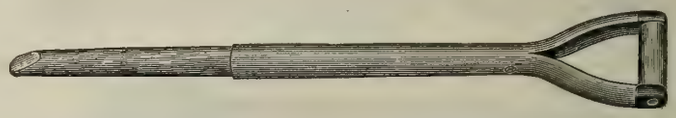
1 dozen in a bundle.

D Solid Shank Shovel Handles. List per dozen 10.10

For Socket Shovels.

First quality seasoned ash; 24 inches long over all; 1½ inches diameter; split D handle with rivetted steel end caps; also with rivet through handle just below the fork to prevent splitting; chucked; average weight per dozen, 14 pounds.

1 dozen in a bundle.



D Hollow Back Shovel Handles. List per dozen 10.10

For Socket Scoops and Shovels

First quality seasoned ash; 30 inches long over all, 1½ inches diameter; split D handle with rivetted steel end caps; also with rivet through handle just below the fork to prevent splitting; chucked and flared; average weight per dozen, 17 pounds.

1 dozen in a bundle.

Long Socket Shovel Handles. List per dozen 8.00

For "Bull Dog" and "Black Cat" Shovels.

First quality seasoned ash; 48 inches long over all, 1⅜ inches diameter; tapering; chucked; average weight per dozen, 16½ pounds.

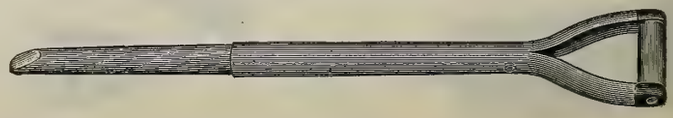
1 dozen in a bundle.

D Strapped Scoop Handles. List per dozen 10.10

Bent; For All Rivetted Scoops.

First quality seasoned ash; 29½ inches long over all, 1½ inches diameter; split D handle with rivetted steel end caps; also with rivet through handle just below the fork to prevent splitting; average weight per dozen, 16½ pounds.

1 dozen in a bundle.



D Socket Scoop Handles. List per dozen 10.10

For Socket Scoops.

First quality seasoned ash; 28 inches long over all, 1½ inch diameter; split D handle with rivetted steel end caps; also with rivet through handle just below the fork to prevent splitting; chucked; average weight per dozen, 14 pounds.

1 dozen in a bundle.

STEEL TUBE FARM TOOL HANDLES

"STANDARD"

Made from best quality steel tubing; perfectly shaped; smooth finish; light and strong; will outwear the tool; with bored wood end plug to take the tang of the tool; easily applied; well finished and painted steel grey.

MANURE FORK HANDLES

No. 8 "D" Top. List per dozen 10.30

Bent.

Length over all, 34 inches; split "D"; fitted with cap; average weight per dozen, 24 pounds.

Open stock.

SPADING FORK HANDLES

No. 11 "D" Top. List per dozen 10.30

Bent.

Length over all, 34 inches; split "D"; fitted with cap; average weight per dozen, 24 pounds.

Open stock.

ENSILAGE FORK HANDLES

No. 14 "D" Top. List per dozen 10.30

Length over all, 34 inches; split "D"; fitted with cap; average weight per dozen, 24 pounds.

Open stock.

MANURE FORK HANDLES

No. 7. Long Handle. List per dozen 9.60

4-Feet—Bent.

1¼ inch tube; fitted with cap; average weight per dozen, 34 pounds.

Open stock.

HAY FORK HANDLES

Nos.	2	3	4
List per dozen	9.60	10.80	11.50
Length, feet	4	4½	5
App. wt. doz., lbs.	26	30	34

Bent.

1¼ inch tube; carefully shaped; fitted with cap.

Open stock.

RAKE HANDLES

No. 25. 5½ Feet. List per dozen 10.80

Straight.

1¼ inch tube; uncapped; seamless; average weight per dozen, 27 pounds.

Open stock.

FARM TOOL HANDLES

ENSILAGE FORK HANDLES.

D Top. List per dozen 20.00

Complete With D Top, Strap and Cap.

Seasoned ash; length over all 34½ inches, 1⅜ inches diameter; gilt finish steel D top with wood grip; gilt strapped ferrule; polished steel cap; average weight per dozen, 24 pounds.

COKE FORK HANDLES.

D Top. List per dozen 24.00

Complete With D Top, Strap and Cap.

Seasoned ash; length over all 31 inches, 1⅜ inches diameter; black japanned steel D top with wood grip; black japanned strapped ferrule; polished steel cap; average weight per dozen, 24 pounds.

SHORT MANURE FORK HANDLES

No. 1, with "D". List per dozen 11.40

Bent.

Ash; smooth finish; 34 inches long over all, 1⅜ inches diameter; steel D top with wood grip, securely rivetted; chucked and bored; average weight per dozen, 18 pounds.

No. 1, without "D". List per dozen 3.80

Bent.

Seasoned ash; 31 inches long over all, 1⅜ inches diameter; chucked at both ends; bored; without D; average weight per dozen, 13 pounds.

LONG BENT MANURE FORK HANDLES.

No. 1. List per dozen 6.50

Seasoned ash; 4 feet long; 1⅜ inches diameter; bored and chucked; average weight per dozen, 16½ pounds.

HAY FORK HANDLES.

"EXTRA" STRAIGHT.

Length, feet	4	4½	5
List per dozen	4.50	5.00	6.00
App. weight dozen, pounds	18	18¾	19½

Seasoned ash; 1¼ inches diameter; chucked and bored.

"EXTRA" BENT.

Length, feet	4½	5
List per dozen	7.50	8.50
App. weight dozen, pounds	18¾	19½

Seasoned ash; 1¼ inches diameter; chucked and bored.

"WAVERLEY".

Length, feet	4	4½	5	5½
List per dozen	6.00	6.80	8.00	9.00
App. weight dozen, pounds	18	19	21	23

Bent.

Selected seasoned ash; smooth finish; 1 5/16 inches diameter; chucked and bored; attractively labelled; each handle in a paper bag, insuring clean stock.

HOE HANDLES.

"WAVERLEY" Field and Garden Hoe Handles.

4 1/2-Feet. List per dozen 4.30

Selected seasoned ash; smooth finish; 1 to 1⅛ inches diameter; chucked and bored; attractively labelled; each handle in a paper bag insuring clean stock; average weight per dozen, 15 pounds.

"WAVERLEY" Turnip Hoe Handles.

5-Feet. List per dozen 8.50

Selected seasoned ash; smooth finish; 1 to 1 3/16 inches diameter; chucked and bored; attractively labelled; each handle in a paper bag, insuring clean stock; average weight per dozen, 17 pounds.

RAKE HANDLES.

"WAVERLEY" 5 1/2-feet. List per dozen 7.00

Selected seasoned ash; smooth finish; 1 to 1 3/16 inches diameter; chucked and bored; attractively labelled; each handle in a paper bag, insuring clean stock; average weight per dozen, 17½ pounds.

POST-HOLE SPOON HANDLES.

6-Feet. List per dozen 19.00

Selected seasoned ash; 6 feet long, 1⅜ inches diameter; chucked and bored; average weight per dozen, 36 pounds.

All 1 dozen in a bundle.

"SAMSON" FARM TOOL HANDLES

Made of the best extra selected second growth ash; carefully seasoned; wax finished and polished; accurately shaped, chucked and bored; each handle is attractively labelled and enclosed in a paper bag which insures clean stock.

"SAMSON" Spading Fork Handles.

With "D". List per dozen 15.40

Bent.

Length over all, 33 inches, 1⅜ inches diameter; gilt steel D top with wood grip, securely rivetted; chucked and bored; average weight per dozen, 16½ pounds.

"SAMSON" Manure Fork Handles.

With "D". List per dozen 14.70

Bent.

Length over all, 33 inches; 1⅜ inches diameter; gilt steel D top with wood grip, securely rivetted; chucked and bored; average weight per dozen, 16½ pounds.

"SAMSON" Manure Fork Handles.

Without "D". List per dozen 5.00

Bent.

Length over all, 30 inches, 1 5/16 inches diameter; chucked at both ends; bored; average weight per dozen, 14¼ pounds.

"SAMSON" Manure Fork Handles.

Long Handle. List per dozen 9.50

Bent.

4 feet long; 1⅜ inch diameter; chucked and bored; average weight per dozen, 22 pounds.

"SAMSON" Hay Fork Handles.

Length, feet	4	4½	5
List per dozen	10.50	12.00	13.70
App. wt. dozen, lbs.	18½	19½	21

Bent.

1¼ inches diameter; chucked and bored.

"SAMSON" Barley Fork Handles.

5-Feet. List per dozen 13.50

Bent.

1 1/16 to 1¼ inches diameter; chucked and bored; average weight per dozen, 19 pounds.

"SAMSON" Field and Garden Hoe Handles.

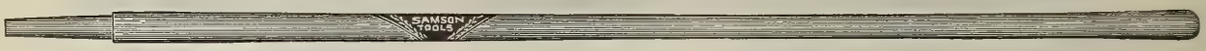
4½-Feet. List per dozen 6.40

⅞ to 1⅛ inches diameter; chucked and bored; average weight per dozen, 16 pounds.

"SAMSON" Turnip Hoe Handles.

5-Feet. List per dozen 9.20

1 to 1 3/16 inches diameter; chucked and bored; average weight per dozen, 18 pounds.



"SAMSON" Rake Handles.

5 1/2-Feet. List per dozen 10.00

1 to 1 3/16 inches diameter; chucked and bored; average weight per dozen, 18 pounds.

"SAMSON" Mortar Hoe Handles.

6-Feet. List per dozen 11.70

1 1/16 to 1 3/8 inches diameter; chucked and bored; average weight per dozen, 25 pounds.

All 1 dozen in a bundle.

FULLY GUARANTEED

SAMSON Farm and Garden Tools

SAMSON Farm and Garden Tools are the highest quality possible to obtain.

THE STEEL used is carefully tested and specially tempered.

FORK TINES are spring tempered to give them just the right flexibility or stiffness to meet the varying demands of the different tools, and the "spread" and "lift" are accurately gauged to give the maximum of ease and speed when in use.

HOE BLADES are stiff tempered with carefully ground edges and are adjusted at the best working angle.

HANDLES are tough and strong, being made of extra selected second growth white ash, smooth finished, waxed and highly polished. The long handles, are correctly shaped, giving both hands an "easy grip". D handles are equipped with securely fitted steel "D" and plain wood grip.

FINISH· The tines, blades, caps and ferrules are full polished with the head, shank and "D" gold bronzed finish. The handles bear two of our attractive "SAMSON" labels in colors, making a tool that immediately suggests its superior quality.

Each handle is incased in a paper bag ensuring clean stock.

All tools are carefully tested as to quality, balance, hang and set.

FULLY GUARANTEED

SAMSON
FARM AND GARDEN TOOLS

WIDE PATTERN MANURE FORKS

Polished, spring tempered tines with gold bronzed head; polished cap and ferrule; fitted with 32 inch handles with gold bronzed steel "D" and plain wood grip.

"SAMSON" 4-Tine Acme; D Handle.

Plain Ferrule. List per dozen 32.70

12½ inch oval tines, 9 inches spread at points; 32 inch "D" handle; average weight per dozen, 36 pounds.

Manufacturers Standard List 40.50.

"SAMSON" 4-Tine, D Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	29.08	32.70
App. weight dozen, lbs.	42	44
Mfgs. Standard List	36.00	40.50

13½ inch oval tines, 9¾ inches spread at points; 32 inch "D" handle.

"SAMSON" 5-Tine, D Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	35.12	38.76
App. wt. dozen, lbs.	44	46
Mfgs. Standard List	43.50	48.00

13½ inch oval tines, 10¼ inches spread at points; 32 inch "D" handle.

"SAMSON" 6-Tine, D Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	40.78	44.44
App. weight dozen, lbs.	48	50
Mfgs. Standard List	50.50	55.00

13½ inch oval tines, 11 inches spread at points; 32 inch "D" handle.

WIDE PATTERN MANURE FORKS

Polished, spring tempered tines with gold bronzed head; polished cap and ferrule; fitted with 4 ft. long bent handles.

"SAMSON" 4-Tine, Acme; Long Handle.

Plain Ferrule. List per dozen 30.70

12½ inch oval tines, 9 inches spread at points; 4 ft. handle; average weight per dozen, 37 pounds.

Manufacturers Standard List 38.00.

"SAMSON" 4-Tine, Long Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	27.06	30.70
App. weight dozen, lbs.	43	45
Mfgs. Standard List	33.50	38.00

13½ inch oval tines, 9¾ inches spread at points; 4 ft. handle.

"SAMSON" 5-Tine, Long Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	33.12	36.76
App. weight dozen, lbs.	45	47
Mfgs. Standard List	41.00	45.50

13½ inch oval tines, 10¼ inches spread at points; 4 ft. handle.

"SAMSON" 6-Tine, Long Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	38.76	42.40
App. weight dozen, lbs.	49	51
Mfgs. Standard List	48.00	52.50

13½ inch oval tines, 11 inches spread at points; 4 ft. handle.

1/2 dozen in a bundle.

SAMSON
FARM AND GARDEN TOOLS

NARROW PATTERN MANURE FORKS

Polished oval tines, carefully spring tempered, with gold bronzed head; polished cap and ferrule fitted with 32 inch handles with gold bronzed steel "D" and plain wood grip.

"SAMSON" 4-Tine, D Handle; Narrow.

Plain Ferrule. List per dozen 29.08

12½ inch tines, 9 inches spread at points; 32 inch "D" handle; average weight per dozen, 40 pounds.

Manufacturers Standard List 36.00.

"SAMSON" 4-Tine, D Handle; Narrow.

Strapped Ferrule. List per dozen 32.70

12½ inch tines, 9 inches spread at points; 32 inch "D" handle; average weight per dozen, 42 pounds.

Manufacturers Standard List 40.50.

"SAMSON" 5-Tine, D Handle; Narrow.

Ferrule	Plain	Strapped
List per dozen	35.12	38.76
App. weight dozen, lbs.	42	44
Mfgs. Standard List	43.50	48.00

12½ inch tines, 9 inches spread at points; 32 inch "D" handle.

"SAMSON" 6-Tine, D Handle; Narrow.

Strapped Ferrule. List per dozen 44.44

12½ inch tines, 9¼ inches spread at points; 32 inch "D" handle; average weight per dozen, 48 pounds.

Manufacturers Standard List, 55.00.

NARROW PATTERN MANURE FORKS

Polished oval tines, carefully spring tempered, with gold bronzed head; polished cap and ferrule; 4 ft. long bent handles.

"SAMSON" 4-Tine, Long Handle; Narrow.

Plain Ferrule. List per dozen 27.06

12½ inch tines, 9 inches spread at points; 4 ft. bent handle; average weight per dozen, 41 pounds.

Manufacturers Standard List, 33.50.

"SAMSON" 4-Tine, Long Handle, Narrow.

Strapped Ferrule. List per dozen 30.70

12½ inch tines, 9 inches spread at points; 4 ft. bent handle; average weight per dozen, 41 pounds.

Manufacturers Standard List, 38.00.

"SAMSON" 5-Tine, Long Handle; Narrow.

Ferrule	Plain	Strapped
List per dozen	33.12	36.76
App. weight dozen, lbs.	43	45
Mfgs. Standard List	41.00	45.50

12½ inch tines, 9 inches spread at points; 4 ft. bent handle.

"SAMSON" 6-Tine, Long Handle; Narrow.

Plain Ferrule. List per dozen 38.76

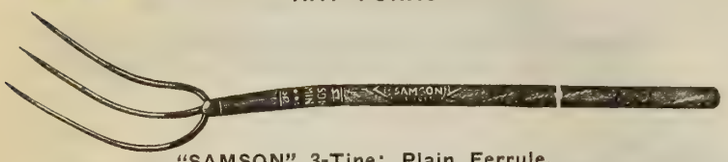
12½ inch tines, 9¼ inches spread at points; 4 ft. bent handle; average weight per dozen, 48 pounds.

Manufacturers Standard List, 48.00.

1/2 dozen in a bundle.

SAMSON
FARM AND GARDEN TOOLS

HAY FORKS



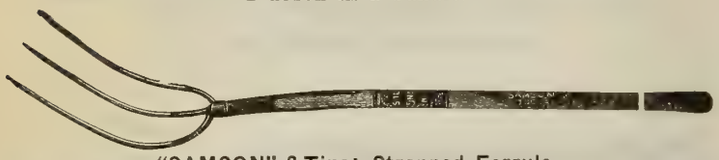
"SAMSON" 3-Tine; Plain Ferrule.

Length of handle (ft.)	4	4½	5	5½	Assorted 4, 4½, 5
List per dozen	23.44	23.44	23.44	25.44	23.44
App. weight dozen, lbs.	28	31	34	37	32
Mfgs. Standard List	29.00	29.00	29.00	31.50	29.00

Long Bent Handle.

12½ inch oval, polished, spring tempered tines, 7⅝ inch spread at points; gold bronzed head; polished cap and plain ferrule.

1 dozen in a bundle.



"SAMSON" 3-Tine; Strapped Ferrule.

Length of handle (ft.)	4	4½	5	5½	Assorted 4, 4½, 5
List per dozen	26.66	26.66	26.66	28.68	26.66
App. weight dozen, lbs.	30	33	36	39	34
Mfgs. Standard List	33.00	33.00	33.00	35.50	33.00

Long Bent Handle.

12½ inch oval, polished, spring tempered tines, 7⅝ inch spread at points; gold bronzed head; polished cap and plain ferrule.

1 dozen in a bundle.

STRAW FORKS

"SAMSON" 3-Tine, Plain Ferrule; Long Handle.

Length of tines	14-inch	16-inch
List per dozen	28.28	29.90
Spread at points, ins.	9	11
App. weight dozen, lbs.	37	39
Mfgs. Standard List	35.00	37.00

5-Ft. Bent Handle.

Oval, polished, spring tempered tines, 14 and 16 inches long; (as above); gold bronzed head; polished ferrule and cap.

1 dozen in a bundle.

"SAMSON" 3-Tine, Strapped Ferrule; Long Handle.

Length of tines	14-inch	16-inch
List per dozen	31.90	33.52
Spread at points, inches	9	11
App. weight dozen, lbs.	39	41
Mfgs. Standard List	39.50	41.50

5-Ft. Bent Handle.

Oval, polished, spring tempered tines, 14 and 16 inches long; (as above); gold bronzed head; polished ferrule and cap.

1 dozen in a bundle.

STRAW FORKS

"SAMSON" 4-Tine; Strapped Ferrule; Long Handle.

16-inch Tines. List per dozen 36.74

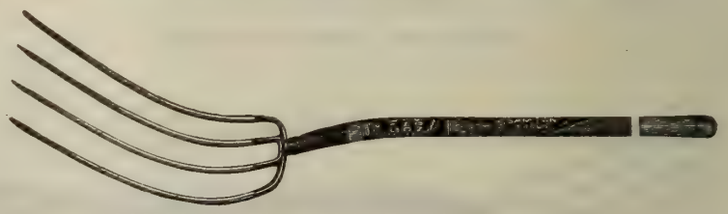
5-Ft. Bent Handle.

16-inch oval, polished, spring tempered tines, 11 inches spread at points; gold bronzed head; polished cap and ferrule; approximate weight per dozen, 48 pounds.

Manufacturers Standard List, 45.50.

1 dozen in a bundle.

BARLEY FORKS



"SAMSON" 4-Tine; Plain Ferrule; Long Handle.

Without Guard. List per dozen 42.00

5-Ft. Bent Handle.

20 inch, oval, polished, spring tempered tines, 15 inches spread at points; gold bronzed head; polished cap and ferrule; average weight per dozen, 50 pounds.

Manufacturers Standard List, 52.00.

1/2 dozen in a bundle.

"SAMSON" 4-Tine; Plain Ferrule; Long Handle.

With Guard. List per dozen 43.60

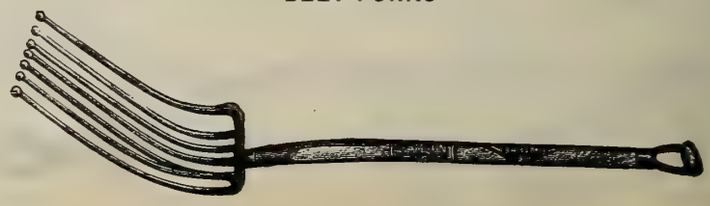
5-Ft. Bent Handle.

20 inch, oval tines, polished, spring tempered; 15 inches spread at points; No. 9 gauge coppered spring steel wire guard; gold bronzed head; polished cap and ferrule; average weight per dozen, 53 pounds.

Manufacturers Standard List, 54.00.

1/2 dozen in a bundle.

BEET FORKS



"SAMSON" 7-Tine; D Handle.

Strapped Ferrule. List per dozen 54.12

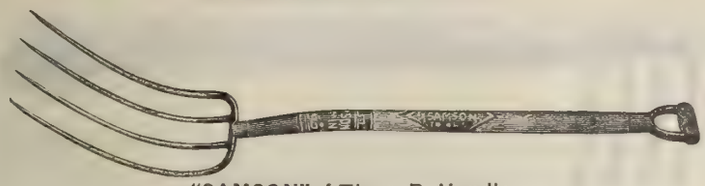
16½ inch ball pointed tines, natural finish, spring tempered, 14¾ inches spread at points, blue painted head; polished ferrule and cap; 32 inch handle with gold bronzed steel D and plain wood grip; average weight per dozen, 77 pounds.

Manufacturers Standard List, 67.00.

1/2 dozen in a bundle.

SAMSON
FARM AND GARDEN TOOLS

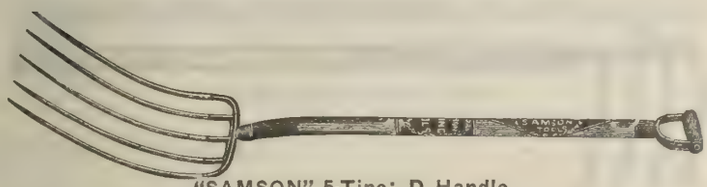
BARN FORKS



"SAMSON" 4-Tine; D Handle.

Ferrule	Plain	Strapped
List per dozen	38.76	42.40
App. weight dozen, lbs.	45	47
Mfgs. Standard List	48.00	52.50

16 inch oval tines, polished, spring tempered, 12 inches spread at points; gold bronzed head; polished cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

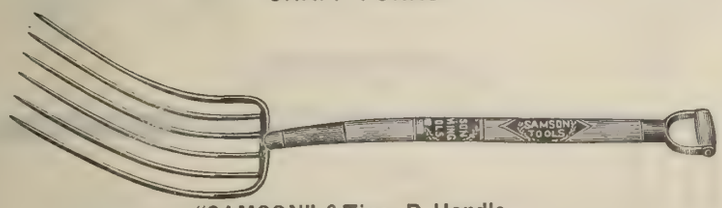


"SAMSON" 5-Tine; D Handle.

Ferrule	Plain	Strapped
List per dozen	43.20	46.84
App. weight dozen, lbs.	47	49
Mfgs. Standard List	53.50	58.00

16 inch oval tines, polished, spring tempered, 12¼ inches spread at points, gold bronzed head; polished cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

CHAFF FORKS

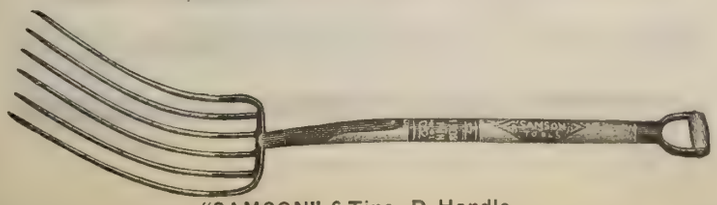


"SAMSON" 6-Tine, D Handle.

Plain Ferrule. List per dozen 58.54

18 inch oval times, polished, spring tempered, 12 inches spread at points, gold bronzed head; polished cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip; average weight per dozen, 59 pounds.

Manufacturers Standard List, 72.50.



"SAMSON" 6-Tine, D Handle.

Strapped Ferrule. List per dozen 62.20

18 inch oval tines, polished, spring tempered, 12 inches spread at points, gold bronzed head; polished cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip; average weight per dozen, 61 pounds.

Manufacturers Standard List, 77.00.

BEAN FORKS

"SAMSON" 4-Tine; Long Handle.

Plain Ferrule. List per dozen 30.70

4½ to 5½ Ft. Assorted Bent Handles.

14 inch oval tines, polished, spring tempered, 10¼ inches spread at points; gold bronzed head; polished cap and ferrule; average weight per dozen, 43 pounds.

Manufacturers Standard List, 38.00.

"SAMSON" 4-Tine; Long Handle.

Strapped Ferrule. List per dozen 34.34

4½ to 5½ Ft. Assorted Bent Handles.

14 inch oval tines, polished, spring tempered, 10¼ inches spread at points; gold bronzed head; polished cap and ferrule; average weight per dozen, 45 pounds.

Manufacturers Standard List, 42.50.

SPADING FORKS

"SAMSON" 4-Tine; D Handle.

Strapped Ferrule. List per dozen 34.74

Four 11¼ inch tines, polished, stiff spring tempered, diamond back, 7 inches spread at points; gold bronzed head; polished cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip; average weight per dozen, 51 pounds.

Manufacturers Standard List, 43.00.

"SAMSON" 4-Tine; Long Handle.

Strapped Ferrule. List per dozen 32.70

4-Ft. Bent Handles.

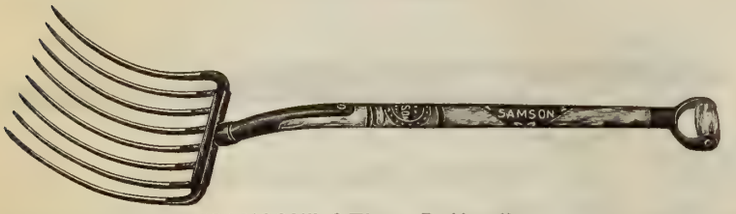
Four 11¼ inch diamond back tines, polished stiff spring tempered, 7 inches spread at points, gold bronzed head; polished cap and ferrule; average weight per dozen, 52 pounds.

Manufacturers Standard List, 40.50.

1/2 dozen in a bundle.

SAMSON
FARM AND GARDEN TOOLS

ENSILAGE FORKS



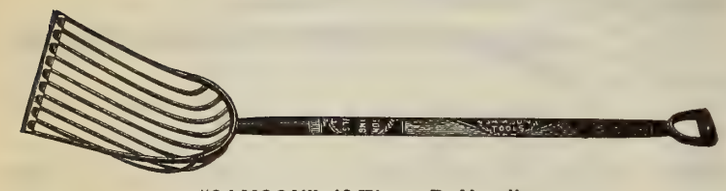
"SAMSON" 8-Tine; D Handle.

Strapped Ferrule. List per dozen **60.58**

17-inch oval tines, polished, spring tempered, 13¾ inches spread at points, gold bronzed heavy head; polished cap and ferrule; 32 inch handle with gold bronzed steel D and plain wood grip; average weight per dozen, 69 pounds.

Manufacturers Standard Last, 75.00.

VEGETABLE SCOOPS



"SAMSON" 10-Tine; D Handle.

Plain Ferrule. List per dozen **56.52**

Heavy steel one-piece rim; round steel bent tines forming a deep scooped bowl; folded edge plate; bowl 12 inches wide at points, 14½ inches from heel to edge plate, 4 inches deep; black japanned finish; polished ferrule; 32 inch handle with gold bronzed steel D and plain wood grip; average weight per dozen, 60 pounds.

Manufacturers Standard List, 70.00.

POTATO FORKS

"SAMSON" 4-Tine; D Handle.

Plain Ferrule. List per dozen **30.30**

Four 9¼ inch diamond tines with flat points, polished, stiff spring tempered, 6½ inches spread at points, gold bronzed head; polished cap and ferrule; 32 inch handle with gold bronzed steel D and plain wood grip; average weight per dozen, 41 pounds.

Manufacturers Standard List, 37.50.

"SAMSON" 4-Tine; Long Handle.

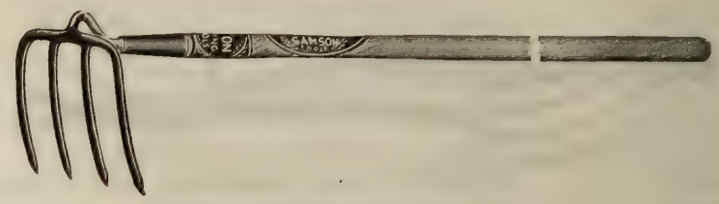
Plain Ferrule. List per dozen **28.28**

4-Ft. Handle.

Four 9¼ inch diamond tines with flat points, polished, stiff spring tempered, 6½ inches spread at points, gold bronzed head; polished cap and ferrule; average weight per dozen, 42 pounds.

Manufacturers Standard List, 35.00.

POTATO HOOKS or DRAGS



"SAMSON" 4-Tine; Long Handle.

Oval Tines. List per dozen **22.62**

Solid Goose-neck Shank.

6½ x ½ inch tines with oval front and flat back, polished, stiff spring tempered, 6 inches spread at points, gold bronzed head and shank; polished cap and plain ferrule; 4-Ft. handle; average weight per dozen, 29 pounds.

Manufacturers Standard List, 28.00.

"SAMSON" 4-Tine; Long Handle.

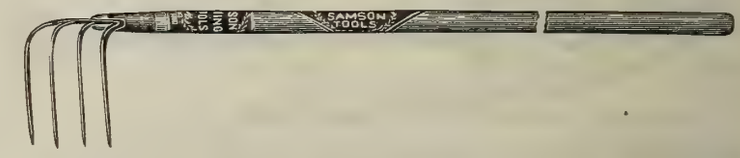
Round Tines. List per dozen **20.20**

Solid Goose-neck Shank.

6½ x 3/16 inch round tines with chisel points, polished, spring tempered, 6 inches spread at points, gold bronzed head and shank; polished cap and plain ferrule; 4-Ft. handle; average weight per dozen, 26 pounds.

Manufacturers Standard List, 25.00.

MANURE DRAGS

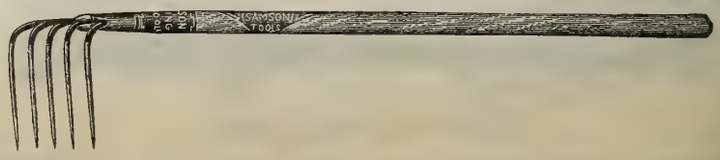


"SAMSON", 4-Tine. List per dozen **25.04**

5-Ft. Handle.

Polished, spring tempered, round tines, 9 inches deep, 8 inches spread at points; gold bronzed bent head; polished cap and plain ferrule; average weight per dozen, 41 pounds.

Manufacturers Standard List, 31.00.



"SAMSON", 5-Tine. List per dozen **27.06**

5-Ft. Handle.

Polished, spring tempered, round tines, 9 inches deep, 8¼ inches spread at points; gold bronzed bent head; polished cap and plain ferrule; average weight per dozen, 47 lbs.

Manufacturers Standard List, 33.50.

1/2 dozen in a bundle.

SAMSON
FARM AND GARDEN TOOLS

HOES

"SAMSON" Ladies Hoes. List per dozen 13.74

Solid Neck; 4½ inch Blade.

Polished steel blade 4½ inches wide, 3⅛ inches deep; 5/16 inch gold bronzed shank and ferrule; 4 ft. ash handle; a small, light weight hoe suitable for ladies or childrens use; average weight per dozen, 15 pounds.

Manufacturers Standard List, 17.00.

"SAMSON" Garden Hoes.

Solid Neck. List per dozen 17.76

6-inch Blade.

Polished steel blade 6 inches wide, 4¾ inches deep; 7/16 inch gold bronzed shank; polished steel ferrule; 4 ft. ash handle, average weight per dozen, 22 pounds.

Manufacturers Standard List, 22.00.

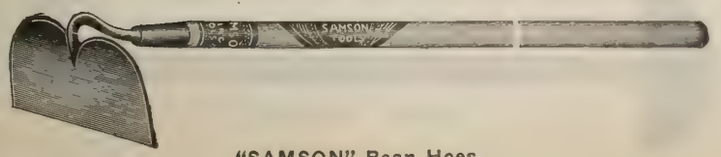
"SAMSON" Garden Hoes.

Socket. List per dozen 19.78

6-inch Blade.

Polished steel blade 6 inches wide, 4¾ inches deep; one-piece blade, shank and socket; gold bronzed shank; polished socket; 4 ft. ash handle; average weight per dozen, 22 pounds.

Manufacturers Standard List, 24.50.



"SAMSON" Bean Hoes.

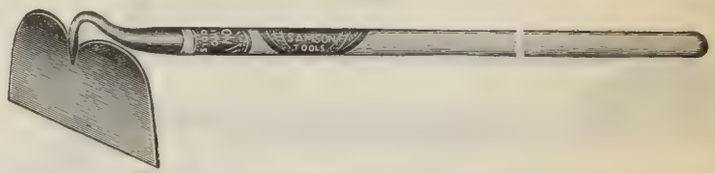
Solid Neck. List per dozen 18.60

7-inch Blade.

Polished steel blade 7 inches wide, 3¾ inches deep; 7/16 inch gold bronzed shank; polished steel ferrule; 4 ft. ash handle; average weight per dozen, 24 pounds.

Manufacturers Standard List, 23.00.

HOES



"SAMSON" Bean Hoes.

Socket. List per dozen 20.60

7-inch Blade.

Polished steel blade 7 inches wide, 3¾ inches deep; one-piece blade, shank and socket; gold bronzed shank; polished socket; 4 ft. ash handle; average weight per dozen, 24 pounds.

Manufacturers Standard List, 25.50.

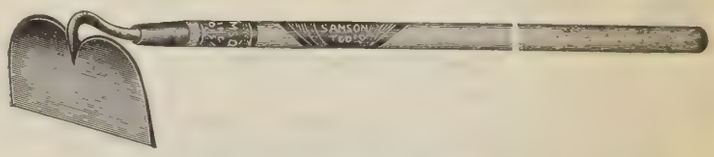
"SAMSON" Field Hoes.

Rivetted. List per dozen 13.74

8-inch Blade.

Polished steel blade 8 inches wide, 4⅝ inches deep; gold bronzed rivetted malleable iron shank; polished steel ferrule; 4 ft. ash handle; average weight per dozen, 25 pounds.

Manufacturers Standard List, 17.00.



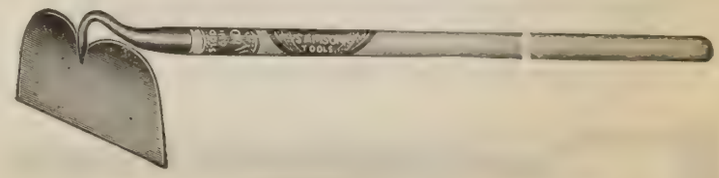
"SAMSON" Field Hoes.

Solid Neck. List per dozen 18.60

8-inch Blade.

Polished steel blade 8 inches wide, 4⅝ inches deep; gold bronzed shank; plain steel ferrule; 4 ft. ash handle; average weight per dozen, 25 pounds.

Manufacturers Standard List, 23.00.



"SAMSON" Field Hoes.

Socket. List per dozen 20.58

8-inch Blade.

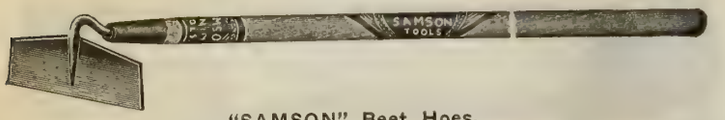
Polished steel blade 8 inches wide, 4⅝ inches deep; one-piece blade, shank and socket; gold bronzed shank; polished socket; 4 ft. ash handle; average weight per dozen, 25 pounds.

Manufacturers Standard List, 25.50.

1 dozen in a bundle.

SAMSON
FARM AND GARDEN TOOLS

HOES

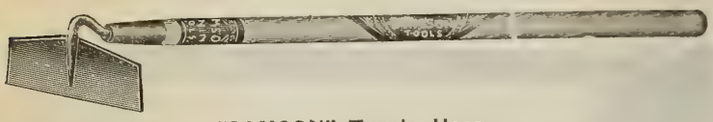


"SAMSON" Beet Hoes.

Blade, width	6-inch.	7-inch.
4-ft. Handles. List per dozen	16.96	16.96
4 1/3-ft. Handles. List per dozen	16.96	16.96
App. weight dozen, pounds	18	20
Mfgs. Standard List	21.00	21.00

Solid Neck.

Polished steel blade 6 and 7 inches wide, 3 inches deep at centre; gold bronzed shank; plain steel ferrule; ash handle.



"SAMSON" Turnip Hoes.

Blade, width	8-inch.	9-inch.	10-inch.
List per dozen	16.96	18.60	20.20
App. weight dozen, lbs.	23	25	26
Mfgs. Standard List	21.00	23.00	25.00

Solid Neck.

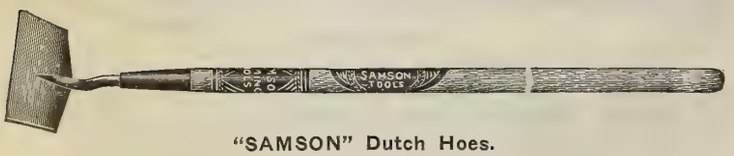
Polished steel blade 3 inches deep at centre; gold bronzed solid shank and ferrule; 5 ft. ash handle.

"SAMSON" Carrot Hoes.

Solid Neck. List per dozen 15.36

Polished steel blade 4 inches wide, 5 inches deep; gold bronzed solid shank; polished steel ferrule; 4 1/3 ft. ash handle; average weight per dozen, 18 pounds.

Manufacturers Standard List, 19.00.

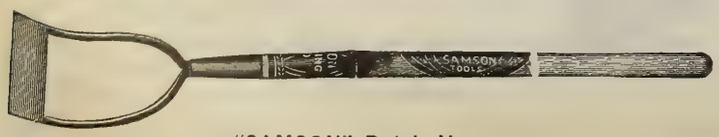


"SAMSON" Dutch Hoes.

Welland Pattern. List per dozen 18.60

Polished steel blade 7 inches wide, 3 inches deep over all; gold bronzed solid shank; polished steel plain ferrule; 5 ft. ash handle; average weight per dozen, 27 pounds.

Manufacturers Standard List, 23.00.



"SAMSON" Dutch Hoes.

Oshawa Pattern. List per dozen 19.38

Polished steel blade 7 inches wide,2 inches deep; gold bronzed bowed tines welded to blade; polished steel plain ferrule; 5 ft. ash handle; average weight per dozen, 28 pounds.

Manufacturers Standard List, 24.00.

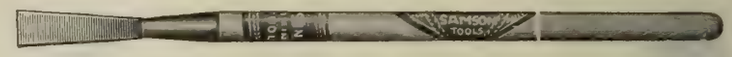
HOES

"SAMSON" Weeding Hoes. List per dozen 16.96

One-piece malleable iron head and shank; steel blade securely welded to head; blade 4½ x 1½ inches; 4 prongs; polished steel plain ferrule; 4 ft. ash handle; average weight per dozen, 28 pounds.

Manufacturers Standard List, 21.00.

WEED CUTTERS



"SAMSON". List per dozen 12.14

Heavy tapered steel blade 1⅞ inches wide, 6 inches long; polished finish with gold bronzed head; polished steel plain ferrule; 52 inch ash handle; average weight per dozen, 20 pounds.

Manufacturers Standard List, 15.00.

TURF EDGERS

"SAMSON" D Handle. List per dozen 25.44

Straight Solid Shank.

Polished steel circular blade 9 inches wide, 4 inches deep, carefully ground; gold bronzed solid shank; polished steel plain ferrule; 32 inch ash handle; gold bronzed steel D and plain wood grip; average weight per dozen, 27 pounds.

Manufacturers Standard List, 31.50.

"SAMSON" Long Handle. List per dozen 23.44

Straight Solid Shank.

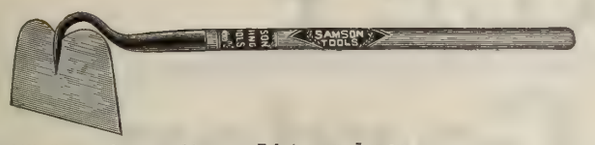
Polished steel circular blade 9 inches wide, 4 inches deep, carefully ground; gold bronzed solid shank; polished steel plain ferrule; 52 inch ash handle; average weight per dozen, 24 pounds.

Manufacturers Standard List, 29.00.

1 dozen in a bundle.

SAMSON
FARM AND GARDEN TOOLS

HOES



"SAMSON" Corn Cutter Hoes. List per dozen 18.98

Socket Pattern; 26 inch Handle.

Polished steel blade 8 inches wide, 4¾ inches deep; one-piece blade, shank and socket; gold bronzed shank; polished socket; 26 inch ash handle; average weight per dozen, 18 pounds.

Manufacturers Standard List, 23.50.

MORTAR HOES

"SAMSON. Plain. List per dozen 24.24

Solid Shank; 6 ft. Handle.

Heavy, polished steel blade, slightly concaved, 10 inches wide, 6 inches deep; 1/2 inch solid shank gold bronzed finish; polished plain steel ferrule; 6 ft. ash handle; average weight per dozen, 39 pounds.

Manufacturers Standard List, 30.00.

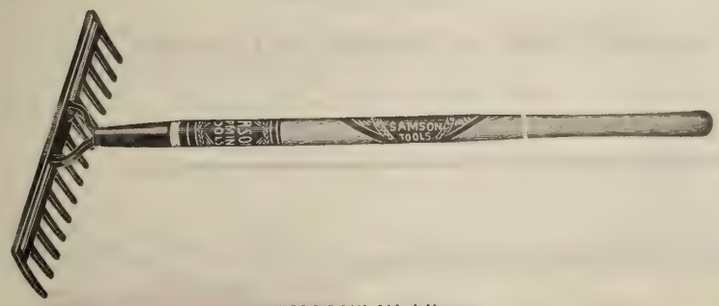
"SAMSON" Improved. List per dozen 26.66

Solid Shank; 6 ft. Handle.

Heavy, polished steel blade; 10 inches wide, 6 inches deep, slightly concaved, punched with two holes 1¾ inches diameter; 1/2 inch solid shank gold bronzed finish; polished plain steel ferrule; 6 ft. ash handle; average weight per dozen, 38 pounds.

Manufacturers Standard List, 33.00.

GARDEN RAKES

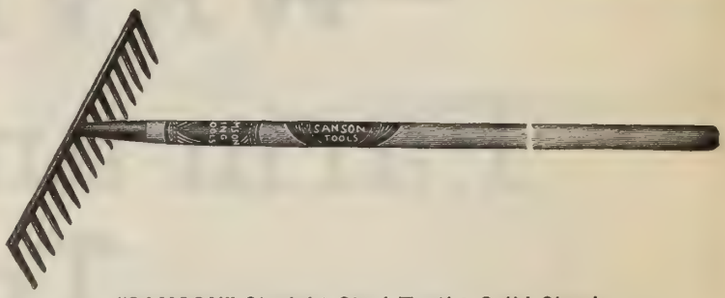


"SAMSON" Weldless.

No. of teeth	12	14	16
List per dozen	16.16	16.98	17.78
Width of head, ins.	12	14	16
App. weight dozen, lbs.	33	35	37
Mfgs. Standard List	20.00	21.00	22.00

Solid steel one-piece head, teeth and shank; 2½ inch straight teeth; the shank is punched out of the head forming a double back 1 inch deep; painted grey; polished steel plain ferrule; 5 and 5½ ft. ash handles.

GARDEN RAKES



"SAMSON" Straight Steel Tooth; Solid Shank.

No. of teeth	10	12	14	16
List per dozen	17.78	19.38	21.00	22.62
Width of head, ins.	10¼	12½	14¾	16¾
App. weight dozen, lbs.	29	31	34	37
Mfgs. Standard List	22.00	24.00	26.00	28.00

Finest quality steel one-piece head, teeth and single shank; 3-inch straight taper teeth polished on face and back; gold bronzed head; polished steel plain ferrule; 5 and 5½ ft. ash handles.

"SAMSON" Concave Steel Tooth; Brace Head.

No. of teeth	10	12	14	16
List per dozen	21.00	22.62	24.24	25.84
Width of head, ins.	10	12	14	16
App. weight dozen, lbs.	29	31	33	39
Mfgs. Standard List	26.00	28.00	30.00	32.00

Finest quality steel one-piece head, teeth and shank; 2¾ inch curved taper teeth polished on face and back; gold bronzed head and shank; polished steel plain ferrule; 5 and 5½ ft. ash handles.

"SAMSON" Concave Steel Tooth; Solid Bow.

No. of teeth	12	14	16
List per dozen	22.62	24.24	25.84
Width of head, inches	12	14	16
App. weight dozen, lbs.	33	36	40
Manufacturers Standard List	28.00	30.00	32.00

Finest quality steel one-piece head, teeth and bow; 2¾ inch curved taper teeth polished on face and back; 5/16 inch bent bow; gold bronzed head and bow; polished steel cap and plain ferrule; 5 and 5½ ft. ash handles.

1 dozen in a bundle.

WAVERLEY
Farm and Garden Tools

WAVERLEY Farm and Garden Tools are excellently made throughout and will give good satisfaction. They can be recommended with confidence.

THE STEEL used is of excellent quality, carefully tested and tempered.

FORK TINES are spring tempered with varying flexibility or stiffness to meet the demands of the different tools while the "spread" and "lift" are the result of careful study and long experience.

HOE BLADES are stiff tempered with carefully ground edges.

HANDLES are made of selected second growth white ash, smooth finished and nicely polished. Long handles are carefully shaped. "D" handles are fitted with steel "D" and plain wood grip.

FINISH. All tools are carefully finished, the handles are attractively labelled with our Waverley Trade Mark in colors giving them an appearance that commands attention.

The majority of the handles are incased in a paper bag and all tools are inspected as to quality.

HOWLAND'S WAVERLEY BRAND

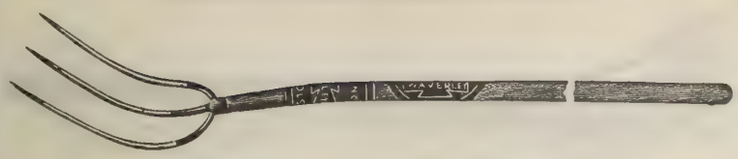
The Very Best Values Obtainable at their Respective Prices

HOWLAND'S WAVERLEY BRAND

WAVERLEY

FARM AND GARDEN TOOLS

HAY FORKS



"WAVERLEY" 3-Tine; Plain Ferrule.

Length of handle (ft.)	4	4½	5	5½	Assorted 4, 4½, 5
List per dozen	22.04	22.04	22.04	23.94	22.04
App. weight dozen, lbs.	27	30	34	36	31
Mfgs. Standard List	29.00	29.00	29.00	31.50	29.00

Long Bent Handle.

12 inch oval, polished, spring tempered tines, 8 inches spread at points; gold bronzed head, cap and ferrule.

1 dozen in a bundle.

"WAVERLEY" 3-Tine; Strapped Ferrule.

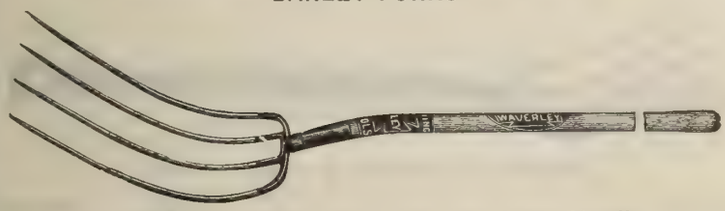
Length of handle (ft.)	4	4½	5	5½	Assorted 4, 4½, 5
List per dozen	25.08	25.08	25.08	26.98	25.08
App. weight dozen, lbs.	29	32	35	38	34
Mfgs. Standard List	33.00	33.00	33.00	35.50	33.00

Long Bent Handle.

12 inch oval, polished, spring tempered tines, 8 inches spread at points; gold bronzed head, cap and ferrule.

1 dozen in a bundle.

BARLEY FORKS



"WAVERLEY" 4-Tine; Plain Ferrule; Long Handle.

Without Guard. List per dozen 39.52

5 Ft. Bent Handle.

20 inch oval, spring tempered tines, 15 inches spread at points; gold bronzed head, cap and ferrule; average weight per dozen, 48 pounds.

Manufacturers Standard List, 52.00.

1/2 dozen in a bundle.

"WAVERLEY" 4-Tine; Plain Ferrule; Long Handle.

With Guard. List per dozen 41.04

5 Ft. Bent Handle.

20 inch oval tines, spring tempered; 15 inches spread at points; No. 9 gauge coppered spring steel wire guard; gold bronzed head, cap and ferrule; average weight per dozen, 51 pounds.

Manufacturers Standard List, 54.00.

1/2 dozen in a bundle.

CHAFF FORKS

"WAVERLEY" 6-Tine; D Handle.

Ferrule	Plain	Strapped
List per dozen	55.10	58.52
App. wt. dozen, lbs.	56	58
Mfgs. Standard List	72.50	77.00

18 inch oval tines, polished, spring tempered, 12 inches spread at points, gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

1/2 dozen in a bundle.

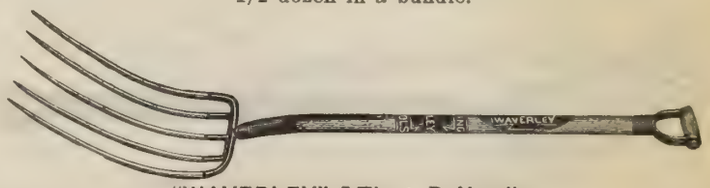
BARN FORKS

"WAVERLEY" 4-Tine; D Handle.

Ferrule	Plain	Strapped
List per dozen	36.10	39.90
App. weight dozen, pounds	43	45
Mfgs. Standard List	48.00	52.50

16 inch oval tines, polished, spring tempered, 11¾ inches spread at points; gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

1/2 dozen in a bundle.



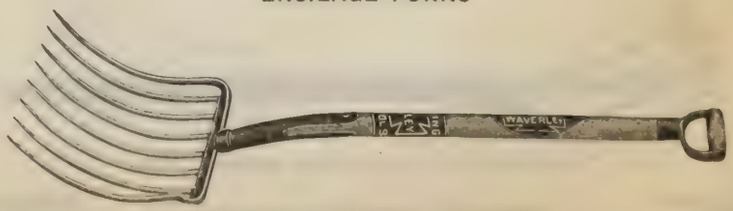
"WAVERLEY" 5-Tine; D Handle.

Ferrule	Plain	Strapped
List per dozen	40.66	44.08
App. weight dozen, pounds	45	47
Mfgs. Standard List	53.50	58.00

16 inch oval tines, polished, spring tempered, 12¼ inches spread at points; gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

1/2 dozen in a bundle.

ENSILAGE FORKS



"WAVERLEY" 8-Tine; D Handle.

Strapped Ferrule. List per dozen 57.00

17 inch oval tines, polished, spring tempered, 14 inches spread at points; heavy head, painted black; polished cap; gold bronzed ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip; average weight per dozen 68 pounds.

Manufacturers Standard List, 75.00.

1/2 dozen in a bundle.

WAVERLEY
FARM AND GARDEN TOOLS

WIDE PATTERN MANURE FORKS

"WAVERLEY" 4-Tine; D Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	27.36	30.78
App. weight dozen, pounds	38	40
Mfgs. Standard List	36.00	40.50

13¼ inch polished oval tines, spring tempered, 9½ inches spread at points; gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

"WAVERLEY" 5-Tine; D Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	33.06	36.48
App. weight dozen, pounds	42	44
Mfgs. Standard List	43.50	48.00

13¼ inch polished oval tines, spring tempered, 10¼ inches spread at points; gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

"WAVERLEY" 6-Tine; D Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	38.38	41.80
App. weight dozen, pounds	46	48
Mfgs. Standard List	50.50	55.00

13¼ inch polished oval tines, spring tempered, 10½ inches spread at points; gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

"WAVERLEY" 4-Tine; Long Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	25.46	28.88
App. weight dozen, pounds	39	41
Mfgs. Standard List	33.50	38.00

13¼ inch polished oval tines, spring tempered, 9½ inches spread at points; gold bronzed head, cap and ferrule; 4 ft. bent handle.

WIDE PATTERN MANURE FORKS

"WAVERLEY" 5-Tine; Long Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	31.16	34.58
App. weight dozen, pounds	43	45
Mfgs. Standard List	41.00	45.50

13¼ inch polished oval tines, spring tempered, 10¼ inches spread at points; gold bronzed head, cap and ferrule; 4 ft. bent handle.

"WAVERLEY" 6-Tine; Long Handle; Wide.

Ferrule	Plain	Strapped
List per dozen	36.48	39.90
App. weight dozen, pounds	47	49
Mfgs. Standard List	48.00	52.50

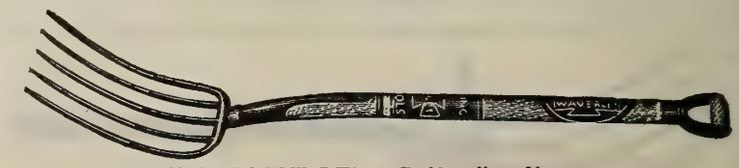
13¼ inch polished oval tines, spring tempered, 10½ inches spread at points; gold bronzed head, cap and ferrule; 4 ft. bent handle.

NARROW PATTERN MANURE FORKS

"WAVERLEY" 4-Tine; D Handle; Narrow.

Ferrule	Plain	Strapped
List per dozen	27.36	30.78
App. weight dozen, pounds	36	38
Mfgs. Standard List	36.00	40.50

12¼ inch polished oval tines, spring tempered, 8¼ inches spread at points; gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.



"WAVERLEY" 5-Tine, D Handle; Narrow.

Ferrule	Plain	Strapped
List per dozen	33.06	36.48
App. weight dozen, pounds	40	42
Mfgs. Standard List	43.50	48.00

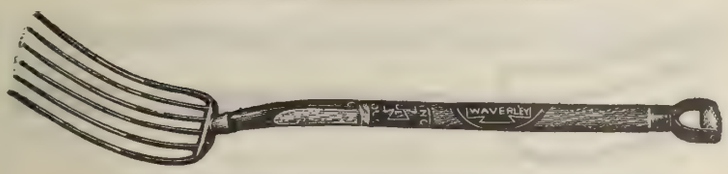
12¼ inch polished oval tines, spring tempered, 8¼ inches spread at points; gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

All 1/2 dozen in a bundle.

WAVERLEY

FARM AND GARDEN TOOLS

NARROW PATTERN MANURE FORKS



"WAVERLEY" 6-Tine; D Handle; Narrow.

Ferrule	Plain	Strapped
List per dozen	38.38	41.80
App. weight dozen, pounds	44	46
Mfgs. Standard List	50.50	55.00

12¼ inch polished oval tines, spring tempered, 9¼ inches spread at points; gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip.

"WAVERLEY" 4-Tine; Long Handle; Narrow.

Ferrule	Plain	Strapped
List per dozen	25.46	28.88
App. weight dozen, pounds	37	39
Mfgs. Standard List	33.50	38.00

12¼ inch polished oval tines, spring tempered, 8¼ inches spread at points; gold bronzed head, cap and ferrule; 4 ft. bent handle.

"WAVERLEY" 5-Tine; Long Handle; Narrow.

Ferrule	Plain	Strapped
List per dozen	31.16	34.58
App. weight dozen, pounds	41	43
Mfgs. Standard List	41.00	45.50

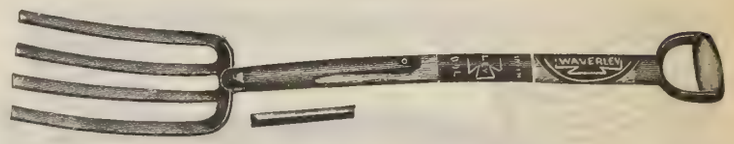
12¼ inch polished oval tines, spring tempered, 8¼ inches spread at points; gold bronzed head, cap and ferrule; 4 ft. bent handle.

"WAVERLEY" 6-Tine; Long Handle; Narrow.

Ferrule	Plain	Strapped
List per dozen	36.48	39.90
App. weight dozen, pounds	45	47
Mfgs. Standard List	48.00	52.50

12¼ inch polished oval tines, spring tempered, 9¼ inches spread at points; gold bronzed head, cap and ferrule; 4 ft. bent handle.

SPADING FORKS



"WAVERLEY" 4-Tine; D Handle.

Strapped Ferrule. List per dozen 32.68

Four 11¼ inch tines, polished, stiff spring tempered, diamond back, 7¼ inches spread at points; gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip; average weight per dozen, 49 pounds.

Manufacturers Standard List, 48.00.

"WAVERLEY" 4-Tine; Long Handle.

Plain Ferrule. List per dozen 27.36

4-Ft. Bent Handle.

Four 11¼ inch diamond back tines, polished stiff spring tempered, 7¼ inches spread at points; gold bronzed head, cap and ferrule; average weight per dozen, 50 pounds.

Manufacturers Standard List, 36.00.

BEET FORKS

"WAVERLEY" 6-Tine; D Handle.

Strapped Ferrule. List per dozen 45.60

14 inch ball pointed, heavy tines, natural finish, spring tempered, 12 inches spread at points, blue painted head; gold bronzed cap and ferrule; 32 inch handle with gold bronzed malleable "D" and plain wood grip; average weight per dozen, 66 pounds.

Manufacturers Standard List, 60.00.

"WAVERLEY" 7-Tine; D Handle.

Strapped Ferrule. List per dozen 50.92

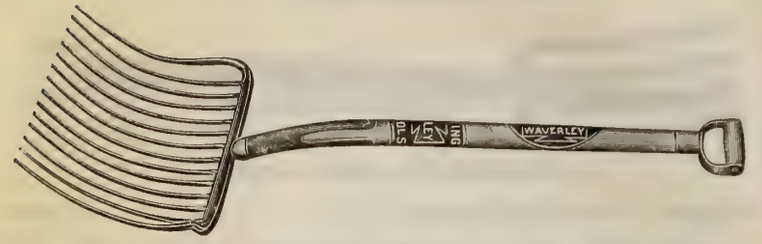
16 inch ball pointed heavy tines, natural finish, spring tempered, 14¾ inches spread at points, blue painted head; gold bronzed cap and ferrule; 32 inch handle with gold bronzed steel "D" and plain wood grip; average weight per dozen, 82 pounds.

Manufacturers Standard List, 67.00.

All 1/2 dozen in a bundle.

WAVERLEY
FARM AND GARDEN TOOLS

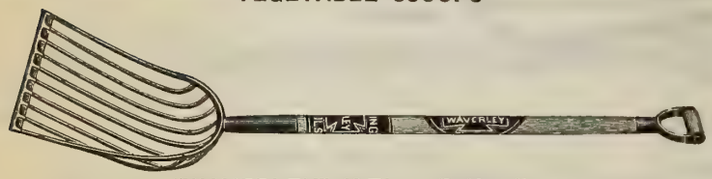
COKE FORK



"WAVERLEY" 14 Tine; D Handle.

Strapped Ferrule. List per dozen **80.56**
17 inch diamond tines, with flat points, natural finish, spring tempered, 18 inches spread at points; black painted heavy head; polished cap, black enamelled ferrule; 32 inch handle with black enamelled heavy steel "D" and plain wood grip; average weight per dozen, 180 pounds.
Manufacturers Standard List, 106.00

VEGETABLE SCOOPS



"WAVERLEY" 10-Tine; D Handle.

Plain Ferrule. List per dozen **53.20**
Heavy steel one-piece rim; round steel bent tines forming a deep scooped bowl; folded edge plate; bowl 12 inches wide at points, 13¾ inches from heel to edge plate, 3½ inches deep; black japanned finish; japanned ferrule; 32 inch handle with gold bronzed steel D and plain wood grip; average weight per dozen, 60 pounds.
Manufacturers Standard List, 70.00.

"WAVERLEY" 10-Tine; D Handle; Strapped Ferrule.

Improved. List per dozen **60.42**
High quality, natural finish; spring tempered, oval tines with flattened points; scoop-shaped bowl 15 inches spread at points, 17 inches from heel to points, 3½ inches deep with heavy blue painted head; polished steel cap; black painted strapped ferrule; 32 inch handle with japanned malleable D and plain wood grip; average weight per dozen, 81 pounds.
Manufacturers Standard List, 79.00.

POTATO FORKS

"WAVERLEY" 4-Tine; D Handle.

Plain Ferrule. List per dozen **28.50**
Four 8¾ inch diamond tines with flat points, polished, stiff spring tempered, 6½ inches spread at points, gold bronzed head, cap and ferrule; 32 inch handle with gold bronzed steel D and plain wood grip; average weight per dozen, 38 pounds.
Manufacturers Standard List, 37.50.

POTATO FORKS

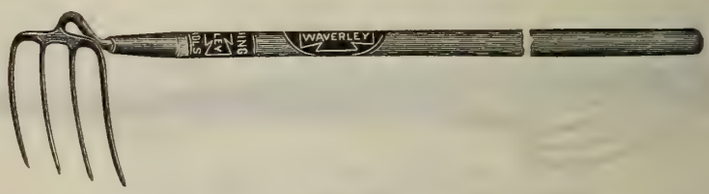
"WAVERLEY" 4-Tine; Long Handle.

Plain Ferrule. List per dozen **26.60**
4-Ft. Handle.
Four 8¾ inch diamond tines with flat points; polished, stiff spring tempered, 6½ inches spread at points; gold bronzed head, cap and ferrule; average weight per dozen, 39 pounds.
Manufacturers Standard List, 35.00

POTATO HOOKS or Drags.

"WAVERLEY" 4-Tine; Long Handle.

Oval Tines. List per dozen **21.28**
Solid Goose-Neck Shank.
6¼ x 1/2 inch tines with oval front and flat back, polished, stiff spring tempered, 6 inch spread at points, gold bronzed head, shank and plain ferrule; 4-ft. handle; average weight per dozen, 29 pounds.
Manufacturers Standard List, 28.00.



"WAVERLEY" 4-Tine; Long Handle.

Round Tines. List per dozen **19.00**
Solid Goose-Neck Shank.
6½ x 3/16 inch round tines with chisel points, polished, spring tempered, 6 inches spread at points, gold bronzed head, shank and plain ferrule; 4-ft. handle; average weight per dozen, 26 pounds.
Manufacturers Standard List, 25.00.

MANURE DRAGS

"WAVERLEY".

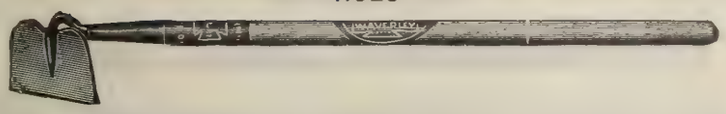
	Spread, Inches.	App. wt. doz., lbs.	Mfgs. List (Standard)	List dozen.
4-Tine	8	40	31.00	23.56
5-Tine	8¼	45	33.50	25.46

5-Ft. Handle.
Polished, spring tempered, round tines, 9¼ inches deep; gold bronzed bent head and plain ferrule.

All 1/2 dozen in a bundle.

WAVERLEY
FARM AND GARDEN TOOLS

HOES

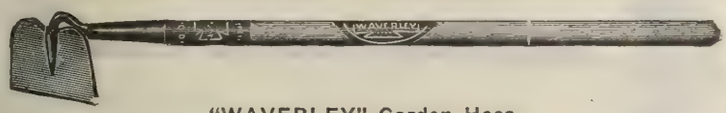


"WAVERLEY"—Ladies Hoes. List per dozen 12.92

Solid Neck; 4½ inch Blade.

Polished steel blade 4½ inches wide, 3⅛ inches deep; 5/16 inch gold bronzed shank and ferrule; 4 ft. ash handle; small light weight hoe suitable for ladies or childrens use; average weight per dozen, 15 pounds.

Manufacturers Standard List, 17.00.



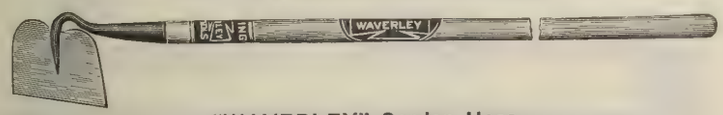
"WAVERLEY" Garden Hoes.

Solid Neck. List per dozen 16.72

6-inch Blade.

Polished steel blade 6 inches wide, 4¾ inches deep; 7/16 inch gold bronzed shank and steel ferrule; 4 ft. ash handle; average weight per dozen, 22 pounds.

Manufacturers Standard List, 22.00.



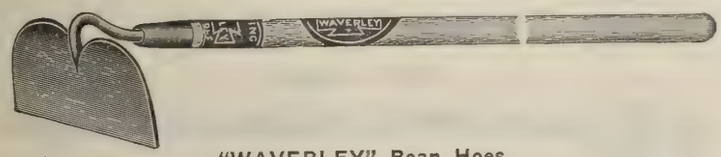
"WAVERLEY" Garden Hoes.

Socket. List per dozen 18.62

6-inch Blade.

Polished steel blade 6 inches wide, 4¾ inches deep; one-piece blade, shank and socket; gold bronzed shank and socket; 4 ft. ash handle; average weight per dozen, 22 pounds.

Manufacturers Standard List, 24.50.



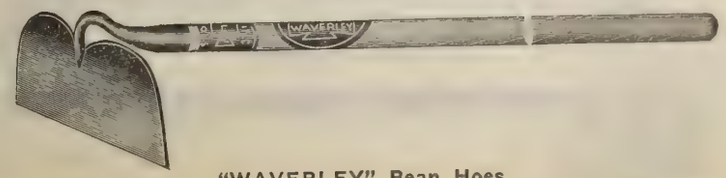
"WAVERLEY" Bean Hoes.

Solid Neck. List per dozen 17.48

7-inch Blade.

Polished steel blade 7 inches wide, 3¾ inches deep; 7/16 inch gold bronzed shank and steel ferrule; 4½ ft. ash handle; average weight per dozen, 24 pounds.

Manufacturers Standard List, 23.00.



"WAVERLEY" Bean Hoes.

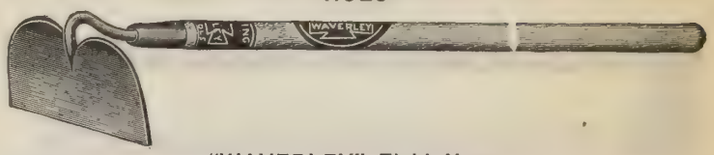
Socket. List per dozen 19.38

7-inch Blade.

Polished steel blade 7 inches wide, 3¾ inches deep; one-piece blade, shank and socket; gold bronzed shank and socket; 4½ ft. ash handle; average weight per dozen, 24 pounds.

Manufacturers Standard List, 25.50.

HOES



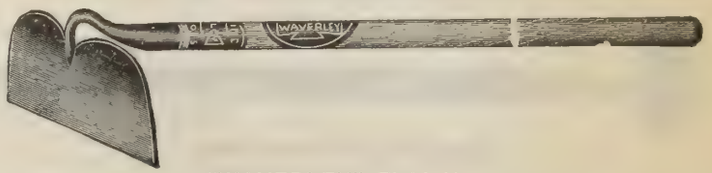
"WAVERLEY" Field Hoes.

Solid Neck. List per dozen 17.48

8-inch Blade.

Polished steel blade 8 inches wide, 4⅝ inches deep; gold bronzed shank and steel ferrule; 4 ft. ash handle; average weight per dozen, 25 pounds.

Manufacturers Standard List, 23.00.



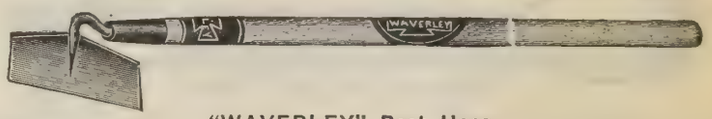
"WAVERLEY" Field Hoes.

Socket. List per dozen 19.38

8-inch Blade.

Polished steel blade 8 inches wide, 4⅝ inches deep; one-piece blade and socket; gold bronzed shank and socket; 4 ft. ash handle; average weight per dozen, 25 pounds.

Manufacturers Standard List, 25.50.

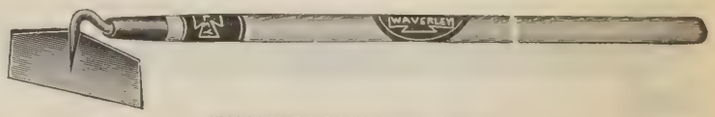


"WAVERLEY" Beet Hoes.

Blade (width)	6-inch.	7-inch.
4-ft. Handles. List per dozen	15.96	15.96
App. weight dozen, pounds	17	19
Mfgs. Standard List	21.00	21.00

Solid Neck.

Polished steel blade 6 and 7 inches wide, 3 inches deep at centre; gold bronzed shank and steel ferrule; ash handle.

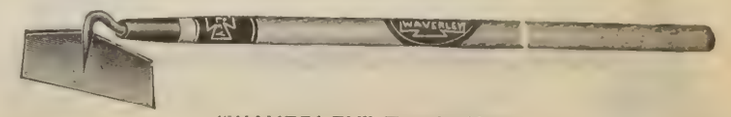


"WAVERLEY" Beet Hoes.

Blade (width)	6-inch.	7-inch.
4 1/3-ft. Handles. List per dozen	15.96	15.96
App. weight dozen, pounds	18½	19½
Mfgs. Standard List	21.00	21.00

Solid Neck.

Polished steel blade 6 and 7 inches wide, 3 inches deep at centre; gold bronzed shank and steel ferrule; ash handle.



"WAVERLEY" Turnip Hoes.

Blade (width)	8-inch.	9-inch.	10-inch.
List per dozen	15.96	17.48	19.00
App. weight dozen, pounds	23	25	26
Mfgs. Standard List	21.00	23.00	25.00

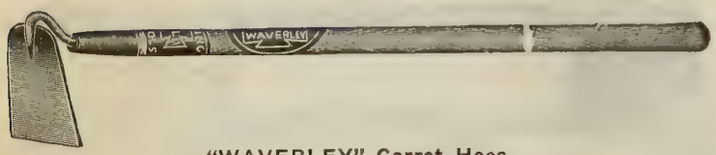
Solid Neck.

Polished steel blade 2—3½ inches deep; gold bronzed solid shank and ferrule; 5 ft. ash handle.

All 1 dozen in a bundle.

WAVERLEY
FARM AND GARDEN TOOLS

HOES



"WAVERLEY" Carrot Hoes

Solid Neck. List per dozen 14.44
Polished steel blade 3¾ inches wide, 5 inches deep; gold bronzed solid shank and steel ferrule; 4 1/3 ft. ash handle; average weight per dozen, 18 pounds.
Manufacturers Standard List, 19.00.
1 dozen in a bundle.

"WAVERLEY" Dutch Hoes.

Welland Pattern. List per dozen 17.48
Polished steel blade 7 ins. wide, 3 ins. deep at centre; gold bronzed solid shank and steel plain ferrule; 5 ft. ash handle; average weight per dozen, 27 pounds.
Manufacturers Standard List, 23.00.
1 dozen in a bundle.

"WAVERLEY" Dutch Hoes.

Oshawa Pattern, (blade)	4-inch.	7-inch.
List per dozen	18.24	18.24
Handle, feet	4	5
App. weight dozen, pounds	22	27
Mfgs. Standard List	24.00	24.00

Polished steel blade, 4 and 7 inches wide (as above), 1½ inches deep; gold bronzed bowed tines welded to blade; gold bronzed plain ferrule.
1 dozen in a bundle.

"WAVERLEY" Weeding Hoes. List per dozen 15.96
One-piece malleable iron head and shank; steel blade securely welded to head; blade 4⅝ x 1½ inches; 4 prongs; black japanned plain steel ferrule; 4 ft. ash handle; average weight per dozen, 21 pounds.
Manufacturers Standard List, 21.00.
1/2 dozen in a bundle.

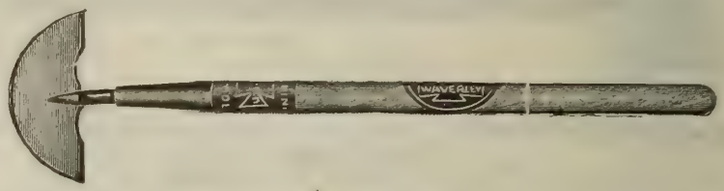
"WAVERLEY" Cultivator Hoes. List per dozen 19.38
High grade polished steel blade securely rivetted to 2½ inch round plate; width of cuts 6½ and 1¼ inches, length of head 9½ inches; plain japanned steel ferrule; 4¼ ft. ash handle; average weight per dozen, 26 pounds.
Manufacturers Standard List, 25.50.
1/2 dozen in a bundle.

WEED CUTTERS

"WAVERLEY". List per dozen 11.40
Tapered steel blade 1⅞ inches wide, 6 inches long; polished finish with gold bronzed head and steel ferrule; 52 inch ash handle; average weight per dozen, 20 pounds.
Manufacturers Standard List, 15.00.
1 dozen in a bundle.

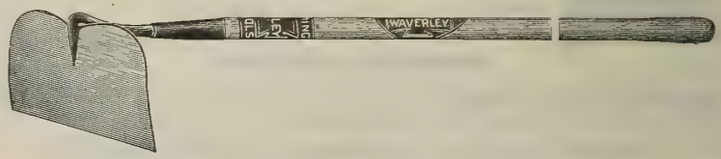
TURF EDGERS

"WAVERLEY" D Handle. List per dozen 23.94
Straight Solid Shank.
Polished steel circular blade 9 inches wide, 4 inches deep, carefully ground; gold bronzed solid shank and steel ferrule; 32 inch ash handle with gold bronzed steel "D" and plain wood grip; average weight per dozen, 28 pounds.
Manufacturers Standard List, 31.50.
1/2 dozen in a bundle.

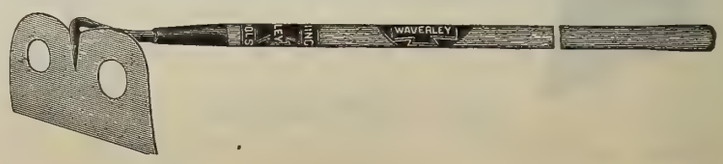


"WAVERLEY" Long Handle. List per dozen 22.04
Straight Solid Shank.
Polished steel circular blade 9 inches wide, 4 inches deep, carefully ground; gold bronzed solid shank and steel ferrule; 52 inch ash handle; average weight per dozen, 25 pounds.
Manufacturers Standard List, 29.00.
1/2 dozen in a bundle.

MORTAR HOES



"WAVERLEY" Plain. List per dozen 22.80
Solid Shank; 6-ft. Handle.
Heavy polished steel blade, slightly concaved, 8½ inches wide, 6 inches deep; gold bronzed, solid shank and steel ferrule; 6 ft. ash handle; average weight per dozen, 43 pounds.
Manufacturers Standard List, 30.00.
1/2 dozen in a bundle.



"WAVERLEY" Improved. List per dozen 25.08
Solid Shank; 6-ft. Handle.
Heavy polished steel blade; 10 inches wide, 6 inches deep, slightly concaved, punched with two holes 1¾ inches diameter; gold bronzed solid shank and steel ferrule; 6 ft. ash handle; average weight per dozen, 43 pounds.
Manufacturers Standard List, 33.00.
1/2 dozen in a bundle.

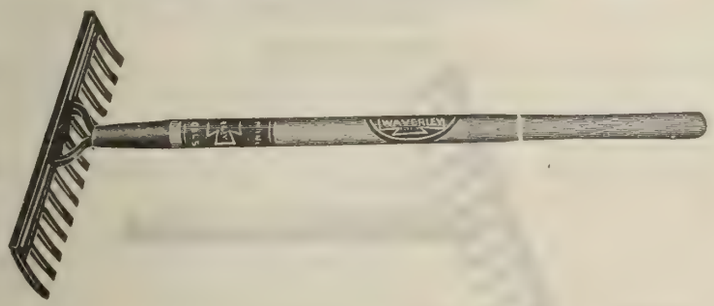
WAVERLEY
FARM AND GARDEN TOOLS

GARDEN RAKES

"WAVERLEY" Rivetted Brace.

No. of teeth	12	14	16
List per dozen	12.16	12.92	13.68
Width of head, inches	12	14	16
App. wt. dozen, lbs.	30	33	36
Mfgs. Standard List	16.00	17.00	18.00

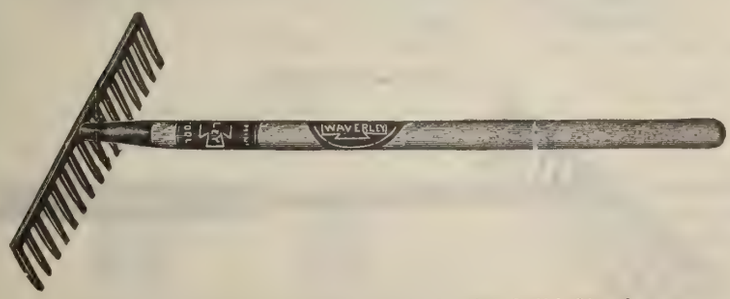
High quality steel head with 2½ inch straight taper teeth; brace shank firmly secured to head by two rivets; plain steel ferrule; all black japanned; 5 and 5½ ft. ash handles.



"WAVERLEY" Weldless.

No. of teeth	12	14	16
List per dozen	15.20	15.96	16.72
Width of head, inches	12	14	16
App. wt. doz., lbs.	32	36	39
Mfgs. standard List	20.00	21.00	22.00

Solid steel one-piece head, teeth and shank; 2½ inch straight teeth; the shank is punched out of the head form-a double back 1 inch deep; painted grey; gold bronzed shank and ferrule; 5 and 5½ ft. ash handles.



"WAVERLEY" Straight Steel Tooth; Solid Shank.

No. of teeth	12	14	16
List per dozen	18.24	19.76	21.28
Width of head, inches	12	14	16
App. wt. doz., lbs.	29	31	34
Mfgs. Standard List	24.00	26.00	28.00

High quality steel one-piece head, teeth and shank; 3 inch straight taper teeth polished on face and back; gold bronzed head and ferrule; 5 and 5½ ft. ash handles.

GARDEN RAKES

"WAVERLEY" Concave Steel Tooth; Brace Head.

No. of teeth	12	14	16
List per dozen	21.28	22.80	24.32
Width of head, inches	12	14	16
App. wt. doz., lbs.	34	36	38
Mfgs. Standard List	28.00	30.00	32.00

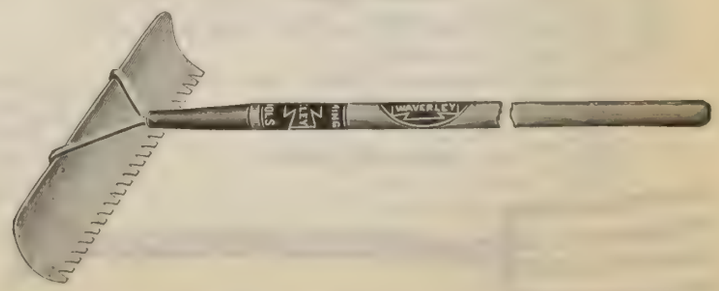
High quality steel one-piece head, teeth and shank; 2¾ inch curved taper teeth painted grey; gold bronzed ferrule and shank; 5 and 5½ ft. ash handles.

"WAVERLEY" Concave Steel Tooth; Solid Bow.

No. of teeth	14	16
List per dozen	22.80	24.32
Width of head, inches	14	16
App. wt. doz., lbs.	38	42
Mfgs. Standard List	30.00	32.00

High quality steel one-piece head, teeth and bow; 2¾ inches curved taper teeth, painted grey; gold bronzed head, shank, ferrule and cap; 5½ ft. ash handles.

LAWN RAKES



"WAVERLEY". List per dozen 19.20

High grade stamped sheet steel concave blade, 16 inches wide, 4½ inches deep; 22 V-shaped square point teeth; square malleable iron forked shank secured to blade by four rivets; plain steel ferrule; all japanned finish; 5½ ft. ash handle; average weight per dozen, 25 pounds.

All 1 dozen in a bundle.

HOES

"WAVERLEY" Corn Cutter Hoes. List per dozen 17.86

Socket Pattern; 26-inch Handle.

Polished steel blade 8 inches wide, 4¾ inches deep; one-piece blade, shank and socket; gold bronzed socket and shank; 26 inch ash handle; average weight per dozen, 21 pounds.

Manufacturers Standard List, 23.50.

1/2 dozen in a bundle.

CULTIVATOR RAKES

"WAVERLEY". List per dozen 25.08

5-Prong; Long Handle; Adjustable.

Spring steel, curved, diamond prongs with flat pointed blades; (detachable); each prong bolted separately to heavy malleable iron one-piece head and shank; 7½ inch spread, 6 inches deep; plain ferrule; all black japanned; 4 ft. ash handle; average weight per dozen, 40 pounds.

Manufacturers Standard List, 33.00.

1/2 dozen in a bundle.

EXTRA PRONGS FOR "WAVERLEY" CULTIVATOR RAKES

Left Outside. List dozen ... 2.40 **Right Outside.** List dozen .. 2.40

Left Middle. List dozen ... 2.40 **Right Middle.** List dozen .. 2.40

Centre. List dozen 2.40

In ordering please be sure to specify for which side of the rake the prongs are required, as a right hand prong can not be used on the left hand side, and vice versa; the "hand" is determined with the rake in the position for use.

MANURE FORKS

English Pattern. List per dozen 35.34

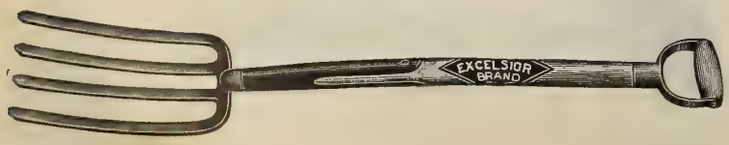
4-Tine; "D" Handle; Strapped Ferrule.

14-inch heavy square tines with diamond points, stiff spring tempered, 11 inches spread at points; black head and ferrule, polished cap; 30 inch selected ash handle with black, heavy steel "D" and plain wood grip; average weight per dozen, 60 pounds.

Manufacturers Standard List, 46.50.

1/2 dozen in a bundle.

SPADING FORKS



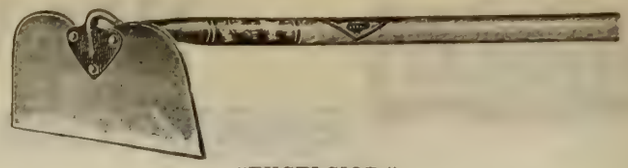
"Excelsior". List per dozen 23.00

"D" Handle; Strapped; Tumbled Finish.

Four 11 inch tines, stiff spring tempered, diamond back, 7 inches spread at points; bright cap and black ferrule; 32 inch ash handle with steel "D" and plain wood grip; average weight per dozen, 50 pounds.

1/2 dozen in a bundle.

FIELD HOES



"EXCELSIOR."

Electric Welded. List per dozen 9.88

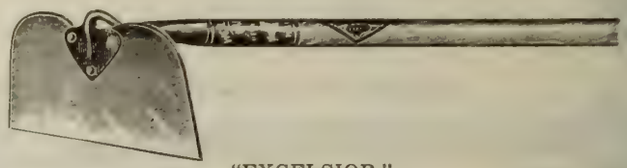
7¾-inch Blade.

Cold rolled steel blade, 7¾ inches wide, 4¾ inches deep; ⅜-inch round steel shank, spot welded to blade; plain steel ferrule; black japanned finish; 4 and 4 1/3-ft. handles; average weight per dozen, 27 pounds.

Manufacturers Standard List, 13.00.

1 dozen in a bundle.

GARDEN HOES



"EXCELSIOR."

Electric Welded. List per dozen 9.88

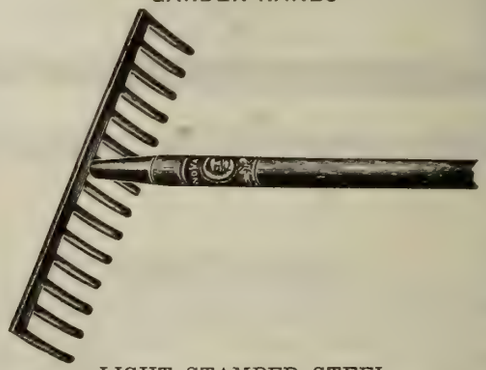
6-inch Blade.

Cold rolled steel blade 6 inches wide, 4½ inches deep; ⅜-inch round steel shank, spot welded to blade; plain steel ferrule; black japanned finish; 4-ft. handle; average weight per dozen, 23 pounds.

Manufacturers Standard List, 13.00.

1 dozen in a bundle.

GARDEN RAKES



LIGHT STAMPED STEEL

No. of teeth	10	12	14	16
List per dozen	10.26	11.02	11.68	12.92
Width of head, inches	10¼	12½	14¾	16½
App. wt. dozen, lbs.	27	28½	30	32
Mfgs. Standard List	13.50	14.50	15.50	17.00

Light steel one-piece head, teeth and shank; 2½ inch straight taper teeth; plain steel ferrule; all black japanned finish; 5½ ft. handle.

1 dozen in a bundle.

ASPHALT RAKES

14-Teeth. List per dozen 48.64

Long Handle; Strapped Ferrule.

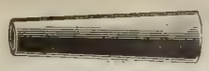
Extra quality heavy steel head, 16 inches wide with 3⅜ inch straight taper teeth; 16 inch steel shank 1/2-inch square, securely welded to head; steel cap and strapped ferrule; black painted; heavy ash handle 4 feet long; length over all, 5 1/3 feet; average weight per dozen, 60 pounds.

Manufacturers Standard List, 64.00.

1/2 dozen in a bundle.

FORK FERRULES

Polished drawn steel; one-piece electric welded.



PLAIN.

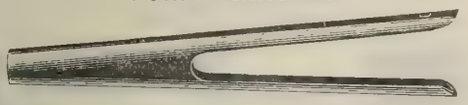
Plain Hay Fork. List per dozen 1.72
Length 4 inches; hole 11/16 x 1⅛ inches; approximate weight per dozen, 1¾ lbs.

Plain Manure Fork. List per dozen 1.72
Length 4¼ inches; hole ⅞ x 1¼ inches; approximate weight per dozen, 2 pounds.

Plain Spading Fork. List per dozen 1.72
Length 4¼ inches; hole 1⅛ x 1⅜ inches; approximate weight per dozen, 2¼ lbs.

Open stock.

FORK FERRULES



STRAPPED.

Strapped Hay Fork. List per dozen 3.80
Length 9½ inches; hole 11/16 inch; approximate weight per dozen, 3 pounds.

Strapped Manure Fork. List per dozen .. 3.80
Length 9¾ inches; hole ⅞ inches; approximate weight per dozen, 4 pounds.

Strapped Spading Fork. List per dozen 3.80
Length 10 inches; hole 1⅛ inches; approximate weight per dozen, 4½ pounds.

Strapped Ensilage Fork. List per dozen .. 3.80
Length 10 inches; hole 1⅛ inches; approximate weight per dozen, 4½ pounds.

Open stock.

HOE FERRULES

Plain. List per dozen 1.52
Length 3¾ inches; hole 11/16 x 1 inch; approximate weight per dozen, 1¼ pounds; polished drawn steel, one-piece electric welded.

Open stock.

FERRULE CAPS

One-piece, seamless, polished drawn steel.

Hay Fork. List per dozen ..... .96
Size of hole 13/16 inch; length 1 inch; average weight per dozen, 6 oz.

Manure Fork. List per dozen 1.14
Size of hole, 1 inch; length 1⅛ inches; average weight per dozen, 9 oz.

Ensilage Fork. List per dozen 1.40
Size of hole 1¼ inches; length 1¼ ins.; average weight per dozen, 1 pound.

Open stock.

"D" TOPS

Steel. List per dozen 6.80

Self-color fork and socket; plain hardwood grip 4 inches long, secured by through steel rivet; 1 inch socket hole; average weight per dozen, 6 pounds.

Open stock.

FORK TINES

HAY FORK.

3-Tine. List per dozen 11.70

12-inch oval tines, 8 inches spread at points; made of fine steel carefully spring tempered and polished; average weight per dozen, 10 pounds.

Open stock.

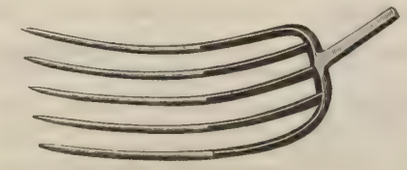
MANURE FORK.

4-Tine. List per dozen 15.50

Wide Pattern.

13 inch oval tines, 9¾ inches spread at points; made of high grade steel carefully spring tempered and polished; average weight per dozen, 18 pounds.

Open stock.



MANURE FORK.

5-Tine. List per dozen 22.50

Wide Pattern.

13-inch oval tines, 10½ inches spread at points; made of fine steel carefully spring tempered and polished; average weight per dozen, 21 pounds.

Open stock.

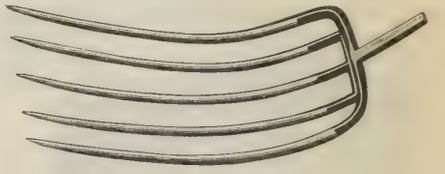
FORK TINES

BARN FORK.

4-Tine. List per dozen 23.50

16 inch oval tines, 12 inches spread at points; made of fine steel carefully spring tempered and polished; average weight per dozen, 22½ pounds.

Open stock.



BARN FORK.

5-Tine. List per dozen 28.00

16-inch oval tines; 12¼ inches spread at points; made of fine steel carefully spring tempered and polished; average weight per dozen, 24½ pounds.

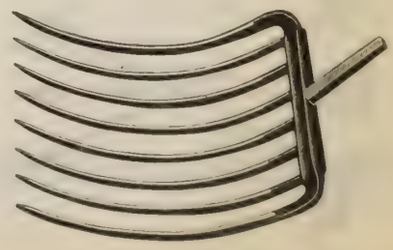
Open stock.

CHAFF FORK.

6-Tine. List per dozen 42.00

18-inch oval tines, 12¼ inches spread at points; made of fine steel carefully spring tempered and polished; average weight per dozen, 33 pounds.

Open stock.



ENSILAGE FORK.

8-Tine. List per dozen 46.50

16-inch oval tines, 13½ inches spread at points; outside tines bent up at shoulder; made of fine steel carefully spring tempered and polished; average weight per dozen, 44 pounds.

Open stock.

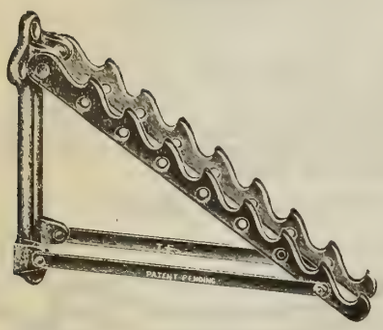
IMPLEMENT BRACKETS

No. 29. List per dozen **13.60**

Twin Arm; Japanned Cast Iron.

Two single arms with interlocking lugs, making it possible to use each arm separately; 11 inch rack cut to hold eight forks or shovels; wall plate 10½ inches deep; average weight per dozen, 42 pounds.

Open stock.



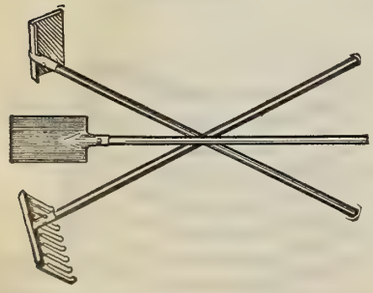
No. 31. List per dozen **16.80**

Twin Arm; Adjustable.

12-inch malleable iron arms cut to hold eight tools; cast wall plate 8½ x 3¾ inches; arms are adjustable to various angles by means of the steel hinged braces which are secured by bolts, when not in use can be closed up out of the way; black japanned finish; average weight per dozen, 31 pounds.

Open stock.

GARDEN TOOL SETS



No. 5. List per dozen sets **4.00**

3-Piece.

Spade:—Japanned sheet steel 4½ x 3½ inches; 18 inches over all.
Hoe:—Black japanned sheet steel blade 4¾ x 2¼ inches; 21 inch handle.
Rake:—8 teeth, black japanned sheet steel, 4¾ inches wide; 21 inch handle, average weight per dozen sets, 8½ lbs.

Open stock.

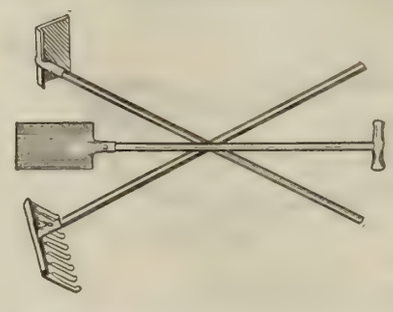
GARDEN TOOL SETS

No. 1. List per dozen sets **4.40**

3-Piece.

Spade:—Bright cold rolled steel, 3½ x 3 inches; 21 inches over all.
Hoe:—Bright cold rolled steel blade 3¾ x 2¼ inches; solid neck, rivetted shank; 20 inch handle.
Rake:—5 teeth, malleable iron, 20 inch handle; average weight per dozen sets, 9 pounds.

Open stock.

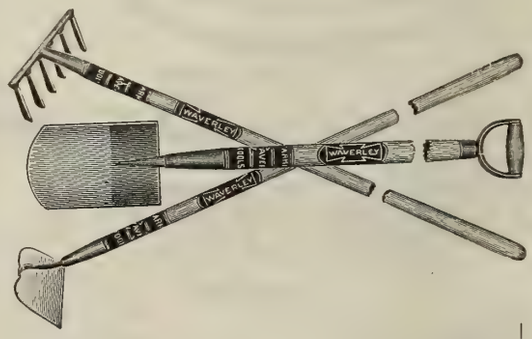


No. 35. List per dozen sets **10.00**

3-Piece.

Spade:—Japanned sheet steel blade 6 x 4¾ inches; "T" handle 24 inches long.
Hoe:—Black japanned sheet steel blade 4¾ x 3¼ inches; 28 inch handle.
Rake:—11 teeth black japanned sheet steel 6¾ inches wide; 28 inch handle; average weight per dozen sets, 25 pounds.

Open stock.



"WAVERLEY." List per dozen sets ... **35.34**

High Quality Steel Blades; Selected Ash Handles; Polished.

Spade:—Concave blade, 5 inches wide, 8 inches long; half polished; solid shank; gold bronzed plain ferrule and steel "D" handle with wood grip; selected handle 25 inches long, 1¼ inch diameter.

Hoe:—4½ inch blade, solid shank; gold bronzed neck and plain ferrule; shaped handle 48 inches long, ⅞-inch diameter.

Rake:—6-Tine, stamped steel; width of head, 8 ins.; length of tines, 2½ inches; black japanned head and plain ferrule; shaped handle, 48 inches long, ⅞-inch diameter; average weight per dozen sets, 60 pounds.

1/4 dozen sets in a bundle.

BEACH SPADES

No. 5. List per dozen **2.00**

21 gauge bright cold rolled steel blade and socket; blade 4½ x 4 inches; ⅝-inch plain hardwood handle, 21 inches long; average weight per dozen, 4 pounds.

Open stock.

No. 15. List per dozen **3.50**

15 gauge japanned sheet steel blade and socket; blade 6 x 4½ inches; ¾-inch plain hardwood handle with "T" grip, 24 inches long; average weight per dozen, 12 pounds.

Open stock.

LADIES SPADES

No. 500. List per dozen **12.00**

One-piece square mouth blade and socket of fine steel; half polished blade 6¼ x 7¾ inches; hardwood handle with malleable iron "D" top and wood grip; length over all, 36 inches; average weight per dozen, 24 pounds.

1/2 dozen in a bundle.

GARDEN FORKS

No. 1235. List per dozen **11.00**

6-Inch Handle.

Rolled steel tines and socket shank; four 4½ inch flat twisted tines half polished, finished in red enamel; stained and varnished hardwood handle; length over all 13½ inches; average weight per dozen, 7½ pounds.

1/2 dozen in a box.

No. 1280. List per dozen **13.50**

13-inch Handle.

Rolled steel tines and socket shank; four 4½ inch flat twisted tines half polished, finished in red enamel; stained and varnished long hardwood handle; length over all 19½ inches; average weight per dozen, 8¼ pounds.

1/2 dozen in a box.

No. 1240. List per dozen **16.00**

21-inch "T" Handle.

Rolled steel tines and socket shank; four 4½ inch flat twisted tines half polished, red enamelled head and shank; stained and varnished hardwood handle with "T" grip; length over all 28¼ inches; average weight per dozen, 9 pounds.

Open stock.

GARDEN TROWELS

No. 21. List per dozen 1.60

Light rolled steel blade and socket shank, bright finish; blade 6 inches long, 3 inches wide at top; polished steel ferrule; plain wood handle; length over all 11½ inches; average weight per dozen, 3¾ pounds.

1 dozen in a box.

No. 110. List per dozen 2.30

One-piece steel blade and socket shank-handle, painted green; red stained wood knob; blade 5¾ inches long, 3 inches wide; length over all 10 inches; average weight per dozen, 4 pounds.

1 dozen in a box.

No. 70. List per dozen 4.40

Heavy rolled steel blade (deep) and socket shank; half polished blade 6 inches long, 3⅝ inches wide at top, green enamelled finish; 5 inch plain hardwood handle; average weight per dozen, 7 lbs.

1/2 dozen in a box.

No. 275. List per dozen 4.50

16 gauge rolled steel blade and socket shank; one third polished blade 6 inches long, 3½ inches wide at top, grey lacquered finish; 4½ inch hardwood handle; average weight per dozen, 8 pounds.

1/2 dozen in a box.

No. 75. List per dozen 4.50

Transplanting.

Heavy rolled steel blade and socket shank; half polished blade 6 inches long, 2 inches wide, green enamel finish; 5 inch plain wood handle; average weight per dozen, 5½ pounds.

1/2 dozen in a box.

WEEDING HOOKS

No. 47. List per dozen 3.30

Tinned malleable iron head and shank with 5 bent tines 1⅛ inches deep; bright steel ferrule; 6-inch black enamelled hardwood handle; head 3 x 2 inches; length over all 9¼ inches; average weight per dozen, 3½ pounds.

1 dozen in a box.

WEEDERS

No. 51. List per dozen 3.40

Forged steel blade 6 inches long; 1¼-inch "V" cutter; highly polished bit; blue enamelled shank; polished steel ferrule; black enamel knob handle; length over all 8½ inches; average weight per dozen, 2¼ pounds.

1 dozen in a box.

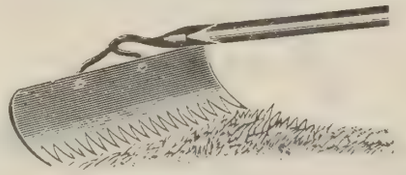
No. 50. List per dozen 4.60

Weed Digger and Asparagus Knife.

Forged steel blade 8 inches long, 1⅜ inch "V" cutter; highly polished bit, blue enamel shank; brass ferrule; polished hardwood handle; length over all, 12½ inches; average weight per dozen, 5 pounds.

1/2 dozen in a box.

LAWN RAKES



Erie. List per dozen 16.00

Stamped sheet steel concave blade, 16 inches wide, 4¾ inches deep; 22 "V" shape square point teeth; malleable iron forked shank and socket securely rivetted to blade; all japanned finish; 5 ft. handle; average weight per dozen, 7 pounds.

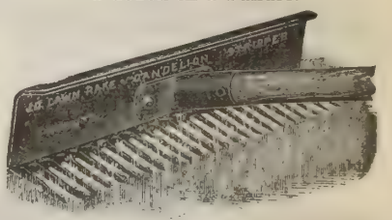
1 dozen in a bundle.

LAWN RAKES

"WAVERLEY." See page 277 for price.

High grade stamped sheet steel concave blade, 16 inches wide, 4½ inches deep; 22 "V" shape square point teeth; square malleable iron forked shank secured to blade by four rivets, plain steel ferrule; all japanned finish; 5½ ft. ash handle; average weight per dozen, 25 pounds.

1 dozen in a bundle.

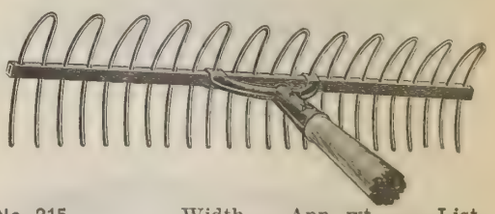


J. D. 20. List per dozen 20.00

32-Teeth.

Black japanned finish, high grade pressed steel; scraper back 3 inches deep; flat tapering teeth 2 inches long; 19¾ inches wide over all; rivetted socket; 60 inch selected handle; average weight per dozen, 33 pounds.

Open stock.



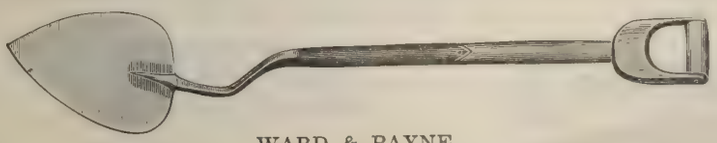
No. 215.	Width Inches.	App. wt. doz. lbs.	List dozen.
20-Teeth	17½	34	11.00
24-Teeth	21	36	11.70
36-Teeth	31½	44	14.40

Re-Tinned Wire; Reversible.

No. 9 spring steel wire teeth 2¼ and 2½ inches long on each side of tubular steel head; malleable iron socket brace cast solid over head of rake; 6-ft. seasoned hardwood handle.

1/2 dozen heads and 1/2 dozen handles in separate bundles.

TURF LIFTING IRONS



WARD & PAYNE.

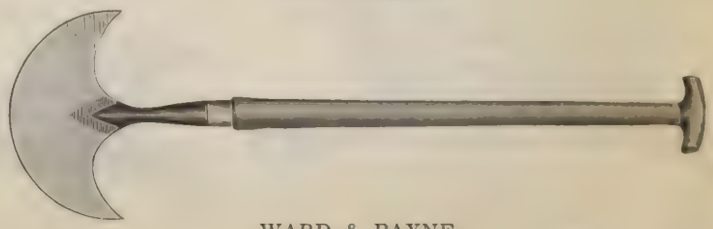
No. 5607 x 3. List per dozen 114.00

"D" Handle; Specially Constructed for Golf Courses, Lawn Bowling Greens, Tennis Courts, etc.

English make; extra quality solid cast steel, one-piece blade and shank; polished blade 9 inches wide, 11¼ inches long, carefully tempered, full ground edge; 5/8 inch square bent shank 10½ inches long; polished strapped socket; 20 inch selected ash handle with rivetted wood "D" grip; length over all, 50 inches; average weight per dozen, 76 pounds.

1 dozen in a bundle.

TURF EDGERS



WARD & PAYNE.

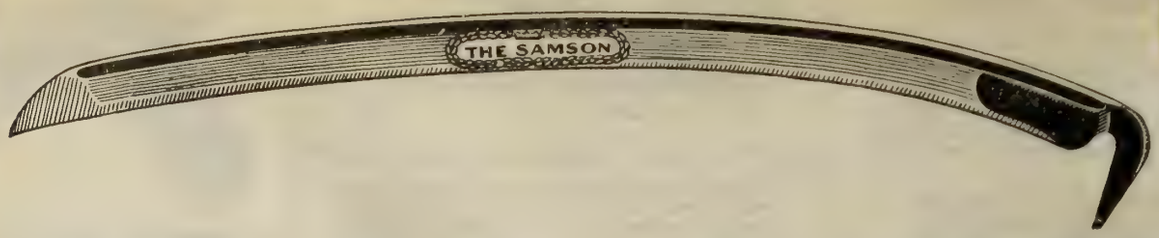
No. 5500. List per dozen 45.60

"T" or Crutch Handle.

English make; extra quality, cast steel, circular blade 9¼ inches wide, 4½ inches deep, full polished, carefully tempered and ground; blue painted socket shank; 30 inch selected ash handle with "T" or Crutch grip; length over all 39 inches; average weight per dozen, 28 pounds. A high class tool, recommended where much cutting is done.

1 dozen in a bundle, burlaped.

GRASS SCYTHES



"SAMSON" NARROW HEEL.

Length, ins.; assorted	30-32	30-34	32-34
List per dozen	34.00	34.00	34.00
App. wt. dozen, lbs.	29	30	31

"SAMSON" WIDE HEEL.

Length, inches	30	32	34	30-32	30-34	32-34
List dozen	34.00	34.00	34.00	34.00	34.00	34.00
App. wt. doz., lbs.	29	31	33	30	31	32

Made of the highest quality steel accurately shaped and carefully sharpened; heavy beaded web; highly polished face, blue enamelled back and heel. Narrow scythes measure approximately 2 inches at the heel, wide scythes approximately 3 inches. The temper of each individual scythe is carefully tested from heel to point. A Samson scythe is a perfect scythe.

FULLY GUARANTEED.

1 dozen in a box.

GRASS SCYTHES

CAST STEEL.

30 to 34 inch, Narrow. List per dozen ... 30.00

30 to 32 inch, Wide. List per dozen 30.00

30 to 34 inch, Wide. List per dozen 30.00

Refined cast steel blade carefully tempered and sharpened; beaded web; green painted face and back, polished edge; average width at heel, narrow 2⅛ inches, wide 2¾ inches; average weight per dozen, 26 to 29 pounds.

1 dozen in a box.

GOLDEN CLIPPER.

30 to 34 inch, Narrow. List per dozen .. 32.00

30 to 32 inch, Wide. List per dozen 32.00

30 to 34 inch, Wide. List per dozen 32.00

First quality steel blade, carefully tempered and sharpened; beaded web; highly polished face; red painted back and heel; average width at heel, narrow 2 inches, wide 3⅛ inches; average weight per dozen, 28 to 33 pounds.

1 dozen in a box.

LITTLE GIANT.

30-34 inch Assorted. List per dozen 34.00

Wide Heel.

Extra quality steel carefully tempered and sharpened; double beaded web; highly polished face, including beads; self-color back and heel; average width at heel 3 inches; average weight per dozen, 32 pounds.

1 dozen in a box.

GRASS SCYTHES

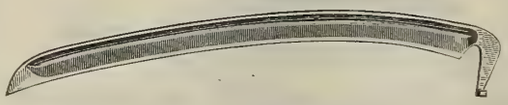
CANADA RIVETTED BACK.

Length, inches	32	34	36
List per dozen	40.00	42.00	44.00
App. wt. doz., lbs.	26	28	30

Finest selected cast steel blade; carefully tempered; retains a keen cutting edge; solid steel rivetted back and tang; highly polished face; blue painted back; average weight per dozen, 28 pounds.

1/2 dozen in a bundle.

LAWN SCYTHES



CAST STEEL.

26 to 30 inch, Narrow. List per dozen ... 30.00

Refined cast steel blade carefully tempered and sharpened; beaded web; green painted face and back; highly polished edge and point; average width at heel 2⅛ inches; average weight per dozen, 28 pounds.

1 dozen in a box.

CRADLE SCYTHES

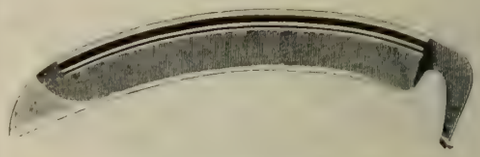
CAST STEEL.

42 to 44 inch. List per dozen 40.00

Refined cast steel broad blade carefully tempered and sharpened; double beaded web; blue painted face and back; highly polished edge and point; average width, 3 inches; for use with Mulay Cradles; average weight per dozen, 48 pounds.

1 dozen in a box.

BUSH SCYTHES



LITTLE GIANT.

18 to 22 inches Assorted. List per dozen 32.00

Finest quality heavy steel blade carefully tempered and sharpened, 3 inches wide, with heavy double beaded web; highly polished face, lacquered self-colored back and heel; a short stiff scythe for cutting bushes; underbrush, etc.; average weight per dozen, 40 pounds.

1/2 dozen in a box.

CAST STEEL.

18 to 22 inch Assorted. List per dozen .. 32.00

Heavy cast steel blade carefully ground and sharpened ready for use, 3 inches wide with heavy double beaded web; green painted face and back, highly polished edge and point; a short stiff scythe for cutting bushes, underbrush, etc., average weight per dozen, 40 pounds.

1/2 dozen in a box.

GRAIN CRADLE FINGERS

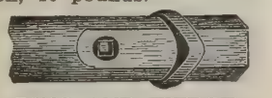
Cradle Fingers. List per dozen 11.50

Selected ash; steam bent; 48 inches long; average weight per dozen, 8 lbs.

25 only in a bundle.

SCYTHE SNATHS

Round tapered body made of selected second growth white ash, thoroughly seasoned before bending and carefully kiln dryed after bending; malleable iron fittings; 4½ inch ash nib handles; average length over all, 60 inches; average weight per dozen, 46 pounds.



RING AND WEDGE.

No. 3. List per dozen 25.70
One hole stationary socket; with wedge.
1/2 dozen in a bundle.

RING AND WEDGE.

No. 2. List per dozen 28.40
Four hole stationary socket; with wedge.
1/2 dozen in a bundle.

RING AND WEDGE.

No. 1. List per dozen 29.70
Two hole "Z" socket; with wedge.
1/2 dozen in a bundle.

PATENT LOOP AND SOLID BOLT.

No. 3. List per dozen 28.40
Light handle; No. 3 quality; four hole socket; with wrench.
1/2 dozen in a bundle.

PATENT LOOP AND SOLID BOLT.

No. 2. List per dozen 31.20
Medium handle; No. 2 quality; four hole socket; with wrench.
1/2 dozen in a bundle.

PATENT LOOP AND SOLID BOLT.

No. 1. List per dozen 32.50
Large handle; No. 1 quality; four hole socket; with wrench.
1/2 dozen in a bundle.

PATENT LOOP AND BOLT.

No. 00. List per dozen 34.00
Swing socket; with wrench.
1/2 dozen in a bundle.

BUSH.

Double Ring Bush. List per dozen 35.20
Three hole; with wedge.
1/2 dozen in a bundle.

SNATH PARTS

Wedge.

Drive Ring.

Loop Bolt.

No. 235 Small Wedges. List per dozen .. 1.00
Malleable iron; for drive ring snaths.

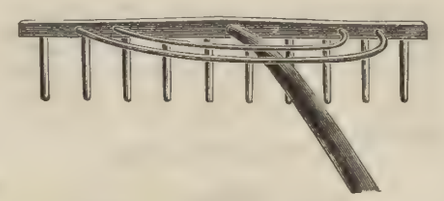
No. 103 Drive Rings. List per dozen 5.20
Malleable iron; for ring wedge snaths.

No. 222 Loop Bolts. List per dozen 3.90
Malleable iron; one-piece bolt and loop; threaded bolt with nut.

Open stock.

WOOD HAY RAKES

No. 1. Steel Bow. List per dozen 12.60
Single Wire Braced.
Plain hardwood head 28 inches long; 10 hickory teeth 4 inches long securely mortised into head; No. 9 coppered steel wire brace; smooth, bent, ash handle 6-ft. long; average weight per dozen, 28 pounds.
1 dozen in a bundle; heads and handles separate.



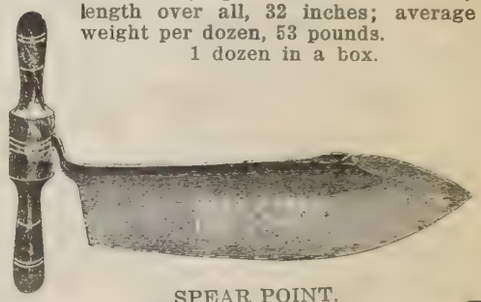
No. 1 Wood Bow. List per dozen 13.60
Double Wood Braced.
Plain hardwood head 28 inches long; 10 hickory teeth 4 inches long securely mortised into head; two 3/8 inch round bent wood braces; smooth bent ash handle 6 feet long; average weight per dozen, 28 pounds.
1 dozen in a bundle; heads and handles separate.

HAY KNIVES

Heaths. List per dozen 28.00
Three 3 inch double edge polished cast steel sections firmly rivetted to flat steel blade; one-piece steel handle brace and step; 36 inch smooth finished ash handle rivetted between blade and brace; black japanned steel "D" top with wood grip; japanned blade and brace; length over all 44 inches; average weight per dozen, 52 pounds.
1/2 dozen in a crate.

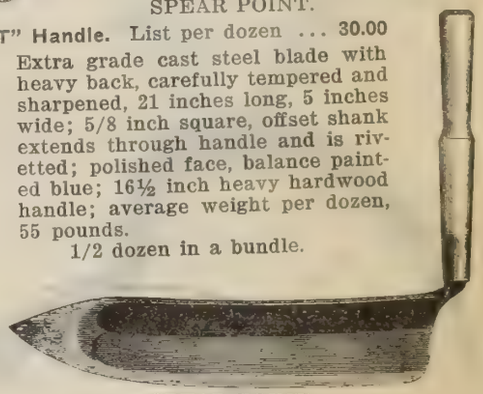
HAY KNIVES

Lightning. List per dozen 28.00
High grade, heavy curved steel blade and shank, in one-piece; tempered and sharpened point and serrated cutting edge, 20 inches long; half polished and painted; through rivetted tangs; 4 inch plain hardwood handles; polished steel ferrules; length over all, 32 inches; average weight per dozen, 53 pounds.
1 dozen in a box.



SPEAR POINT.

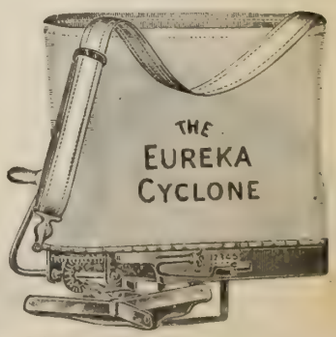
"T" Handle. List per dozen ... 30.00
Extra grade cast steel blade with heavy back, carefully tempered and sharpened, 21 inches long, 5 inches wide; 5/8 inch square, offset shank extends through handle and is rivetted; polished face, balance painted blue; 16½ inch heavy hardwood handle; average weight per dozen, 55 pounds.
1/2 dozen in a bundle.



SPEAR POINT.

"L" Handle. List per dozen 30.00
Extra grade cast steel blade with heavy back, tempered and sharpened, 24 inches long, 5 inches wide; 5/8 inch square, offset shank; gold bronzed plain steel ferrule; polished face, balance painted blue; 16 inch hardwood handle; average weight per dozen, 50 pounds.
1/2 dozen in a bundle.

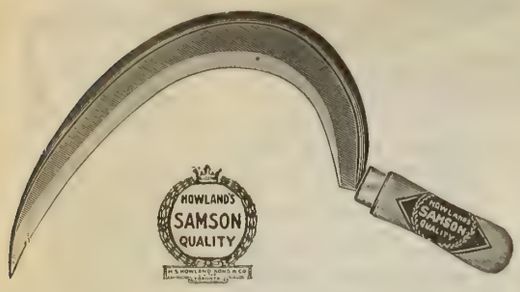
SEED SOWERS



Eureka. List per dozen 38.00
Hardwood base 18 x 6¼ inches with cross brace and bent supporting arm painted red; 4-section rivetted tin distributing wheel 10½ inches diameter; positive force feed with automatic adjustment; 3¼ inch steel crank rod with hardwood handle; half bushel capacity white duck bag; wide shoulder strap; sows all kinds of seed, fertilizer, etc., evenly over the ground; average weight per dozen, 33 pounds.
1/4 dozen in a carton.

REAPING HOOKS or Grass Hooks.

Length of cut is measured in a straight line from point to heel.



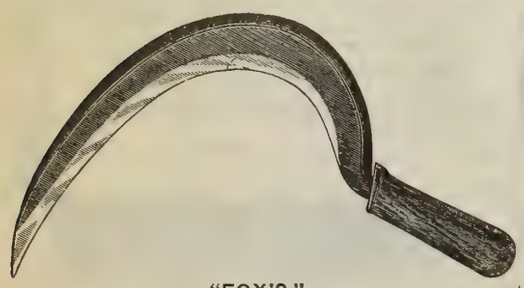
"SAMSON."

Number	2	3	4
List per dozen	7.50	8.00	8.50
Cut, inches	11½	12½	13
App. wt. doz., lbs.	9	10	11

Highest grade hand forged cast steel blade (1⅜ inch wide) and shank; black enamelled finish with polished edge, carefully tempered and sharpened; bright steel ferrule; shank extends through the handle and is rivetted at end; plain hardwood handle 5 inches long.

FULLY GUARANTEED.

1 dozen in a box.

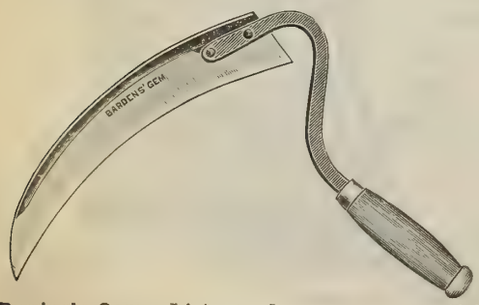


"FOX'S."

Number	2	3	4
List per dozen	7.50	8.00	8.50
Cut, inches	11½	12¼	13
App. wt. doz., lbs.	10	11	12½

Hand made throughout of the highest quality materials; carefully tempered blade 1¼ inches wide, natural finish with polished edge on one side, other side full polished; shank extends through the handle and is clinched at end; plain hardwood handle 5 inches long.

1 dozen in a box.



Barden's Gem. List per dozen 13.00

12-inch Cut.

Extra quality one-piece steel blade, 2-ins. wide at heel, with stiffening bead, natural finish with polished edge carefully tempered and sharpened; red painted flat shank attached to blade with two rivets extending through handle and rivetted at end; polished steel ferrule; 5 inch black enamelled hardwood handle; average weight per dozen, 12 pounds.

1 dozen in a box.

REAPING HOOKS or Grass Hooks.

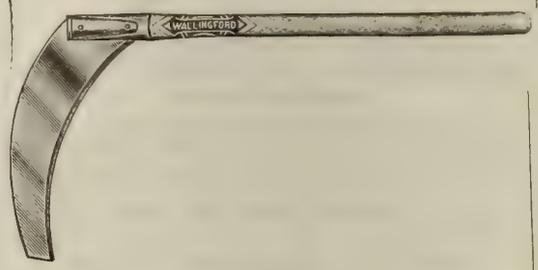
Little Giant. List per dozen 13.00

Detachable Blade; 11½ inch Cut.

Highest grade, charcoal temper, steel blade 3½ inches deep at heel, with stiffening bead, natural lacquered finish with polished edge; redp ainted diamond shank attached to blade with patent loop fastener; shank extends through handle and is rivetted at end; polished steel ferrule; 5 inch black enamelled corrugated hardwood handle; average weight per dozen, 15 pounds.

1 dozen in a box.

CORN HOOKS

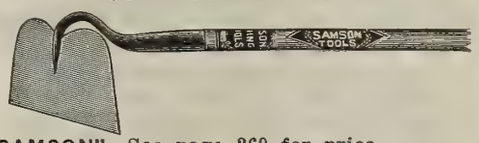


No. 220. List per dozen 6.00

Excellent quality tempered steel blade, 14 gauge, 16 inches long, 2½ inches wide at heel; lacquered finish with polished edge; fastened to handle by two rivets and brace plates; 20 inch plain hardwood handle; average weight per dozen, 12 pounds.

1 dozen in a crate.

CORN CUTTER HOES



"SAMSON"—See page 269 for price.

Socket Pattern; 26-inch Handle.

Polished steel blade 8 inches wide, 4¾ inches deep; one-piece blade shank and socket; gold bronzed shank; polished socket; 26-inch handle; average weight per dozen, 18 pounds.

1 dozen in a bundle.

"WAVERLEY"—See page 278 for price.

Socket Pattern; 26-inch Handle.

Polished steel blade 8 inches wide, 4¾ inches deep; one-piece blade, shank and socket; gold bronzed socket and shank; 26 inch handle; average weight per dozen 21 pounds.

1 dozen in a bundle.

CORN SHELLERS

Black Hawk. List per dozen 48.00

Capacity About 12 Bushels per Hour.

Refined malleable iron main part; hardened bearings; chilled grinders; adjustable hopper 3¼ inches wide, 3½ inches deep; pressure regulated by heavy wire coil spring; 8 inch grinding plate studded with 3/8 inch teeth; 10 inch crank; rivetted wood handle; 10½ inches high, 10½ inches wide, shells field, seed and popcorn; clamps to barrel, etc.; all black japanned finish; average weight each, 13 pounds.

Open stock.

CORN PLANTERS

"King of the Field." List per dozen 33.60

Two Hand; Adjustable.

Varnished hardwood sides of 2¾ x ¾ inch stock; 4 inch rivetted plain hardwood handles; black japanned sheet steel hopper and channel; steel points with iron side plates; jointed iron dropper takes all the wear off the brush; seed feed regulater; length over all, 36 inches; average weight per dozen, 60 pounds.

1/2 dozen in a crate.

H. S. HOWLAND, SONS & CO LIMITED, TORONTO, CANADA.

STEEL WELL WHEELS

Size, inches	8	10
List per dozen	15.00	19.20
Diam. of wheel	7	8¾
App. wt. doz., lbs.	30	33

For 5/8 Inch Rope.

Steel frame and wheel; malleable iron swivel hook; plain steel axle.

Open stock.

WELL WHEELS

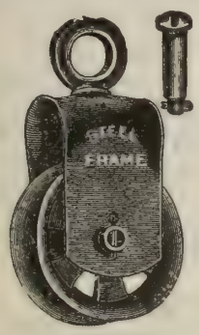
Diameter, inches	8	10	12
List per dozen	19.20	24.00	30.00
For rope, inches	5/8	7/8	1
App. wt. doz., lbs.	42	52	70

Japanned.

Cast iron shield-frame and wheel; malleable swivel hook; plain steel axle.

Open stock.

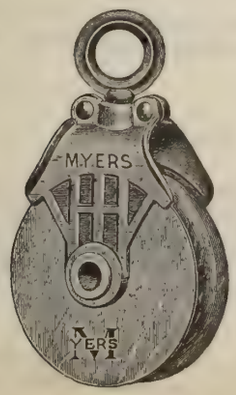
HAY FORK PULLEYS



No. 210. List per dozen **13.20**

Japanned steel frame, stamped out of a piece of wrought steel; flanged rope opening 1⅛ inches wide; 5½ inch japanned cast iron, wide spoke sheave, 1 9/16 ins. thick; 1 inch hollow steel loose axle; ribbed malleable iron swivel ring; length over all, 10 inches; average weight per dozen, 36 pounds.

Open stock.



No. 114. List per dozen **14.40**

Japanned, plain cast iron frame and flanged rope shield; 6 inch hard maple sheave, 1¾ inches thick, dipped in hot oil; 1¼ inch hollow steel loose axle; ribbed malleable iron swivel ring; length over all, 10¼ inches; average weight per dozen, 39 pounds.

Open stock.

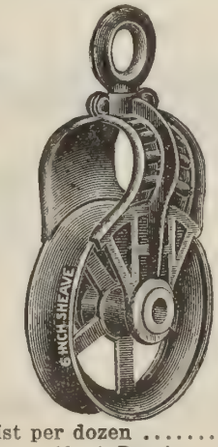
HAY FORK PULLEYS

No. 118. List per dozen **16.80**

Knot Passing.

Japanned, ribbed, cast iron frame; flanged rope opening 3 inches wide; 6 inch maple sheave, 1¾ inches thick, dipped in oil; 1 inch axle; ribbed malleable iron swivel ring; length over all, 11¾ inches; average weight per dozen, 46 pounds.

Open stock.

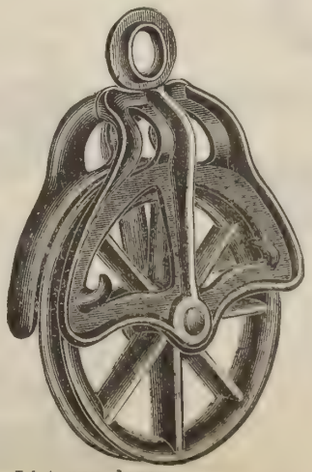


No. 120. List per dozen **19.00**

Knot Passing.

Japanned, heavily ribbed, cast iron frame with flanged rope opening 3 inches wide; 6 inch japanned cast iron, wide spoke sheave, 1¾ inches thick; 1 inch hollow steel loose axle; ribbed malleable iron swivel ring; length over all, 11½ inches; average weight per dozen, 60 pounds.

Open stock.



No. 579. List per dozen **40.80**

Knot Passing; All Red Enamelled.

Two-piece, heavily ribbed, malleable iron frame, securely rivetted and bolted; flanged rope opening 2⅛ inches wide; 8-inch grey iron sheave, 1⅜ inches thick, with wide spokes; chilled bearings; 5/8-inch bolt axle nut; ribbed, solid swivel eye; length over all, 12 inches; average weight per doz., 100 lbs. Open stock.

SHEAVES

for

Hay Fork Pulleys

WOOD.

6-inch. List per dozen **6.30**

Hard maple, dipped in hot oil; 6 inches diameter; 1¾ inches thick; 1 1/16 inch axle hole; average weight per dozen, 12 pounds.

Open stock.

RAFTER BRACKETS

No. 463. List per dozen **1.50**

For Wood or Steel Track Hooks.

Made of steel with folded stirrup; each leaf drilled with three holes and provided with spur points to be driven into the rafters; 6¼ inches from point to point; average weight per dozen, 3 pounds.

Open stock.

RAFTER HOOKS

10 x 1/2 x 1 Nut. List per dozen **1.50**

12 x 1/2 x 1 Nut. List per dozen **1.90**

10 x 1/2 x 2 Nut. List per dozen **1.60**

Wood Track Hooks.

Made of 1/2-inch round iron, 10 and 12 inches long (as above) machine threaded; square threaded nuts; average weight per dozen of 12 x 1/2 x 1, ten pounds.

Open stock.

FLOOR HOOKS

Size.	Length, Inches.	Diam., Ins.	List dozen.
5/8 x 6	6	5/8	1.20
3/4 x 7	7	3/4	2.00

Wrought iron hooks with lag screw end; average weight per dozen, ¾ x 7, thirteen pounds.

Open stock

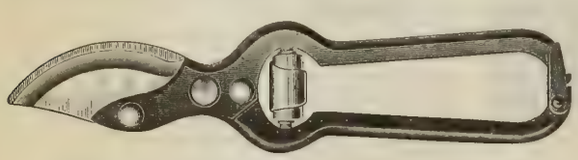
PRUNING SHEARS

No. 0. List per dozen 12.00

9-inch.

Polished steel blade, 2¼ inch cut, rivetted and bolted to head; japanned cast iron handles; bolt pivot; tempered steel coil wire spring; handle latch; average weight per dozen, 9¼ pounds.

1 dozen in a box.



No. 100. List per dozen 13.00

6-inch; California Pattern; Japanned.

Polished forged steel blade, 1⅝ inch cut, tempered and sharpened, rivetted to head; black japanned malleable iron head and handles; heavy bolt pivot; blued steel volute spring; lever latch; average weight per dozen, 3½ pounds.

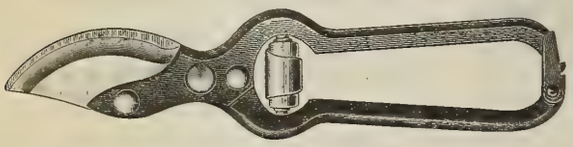
1 dozen in a box.

"PEXTO."

No. 500. List per dozen 25.50

9-inch; highest grade, polished and tempered tool steel blade, 2½ inch cut, rivetted to head, dead black finish malleable head and handles with end fastening clip; double flat brass springs; average weight per dozen, 12 pounds.

1/3 dozen in a box.

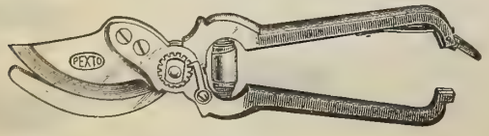


No. 200. List per dozen 27.00

6-inch; California Pattern; Nickel Plated.

Polished forged steel blade, 1⅝ inch cut, tempered and sharpened, rivetted to head; nickel plated malleable iron head and handles; heavy bolt pivot; blued steel volute spring; lever latch; average weight per dozen, 3½ pounds.

1 dozen in a box.



"PEXTO."

No. 228. List per dozen 58.00

Full Nickel Plated.

9-inch; crucible steel blade, 3-inch cut, carefully tempered and sharpened, fastened to head with two screws; malleable iron head and handles with end fastening clip; bolt has adjusting nut and regulating ratchet; steel volute spring; average weight per dozen, 12 pounds.

1/3 dozen in a box.

TREE PRUNERS

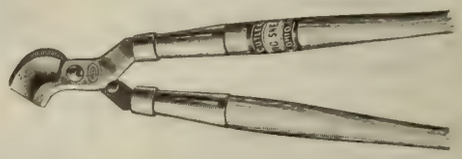
"WOODYATT."

Length, Feet	6	8	10
List per dozen	27.60	31.20	33.60
App. weight dozen, lbs.	40	48	54

1⅛-inch Opening.

Fine quality tool steel knife, tempered and sharpened, between forged steel hooks rivetted in several places, giving a sure guide and strength for an even, clean cut; No. 6 gauge coppered steel wire drawing rod; 11½ inch lever with malleable iron shank, plate and 6 inch plain hardwood handle; 2½ inch coiled wire spring; varnished pole ⅞-inch square with rounded edges.

1/2 dozen in a bundle.

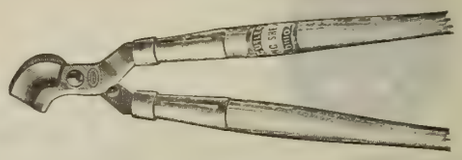


No. 5406 x 20. List per dozen 32.40

20-inch Handles.

Solid tool steel blade and hook, 2½ inch cut; heavy iron rivet; four inch pressed steel ferrule and cap; natural finish, second growth ash handles; average weight per dozen, 43 pounds.

Open stock.

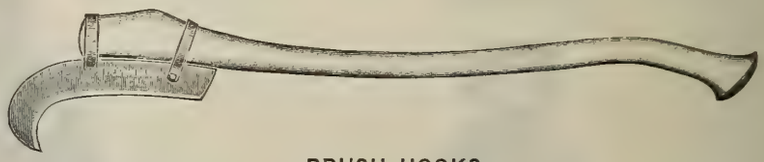


No. 5406 x 30. List per dozen 43.20

30-inch Handles.

Solid tool steel blade and hook, 2½ inch cut; heavy iron rivet, four inch pressed steel ferrule and cap; natural finish, second growth ash handles; average weight per dozen, 60 pounds.

Open stock.



BRUSH HOOKS

Light Handle. List per dozen 28.80

Solid cast steel blade, 12 inches long, 3 inches wide, carefully tempered, with polished and sharpened cutting edge; welded eye; bolted strap, black japanned finish; 36-inch selected axe handle; average weight per dozen, 50 pounds.

1 dozen in a crate.

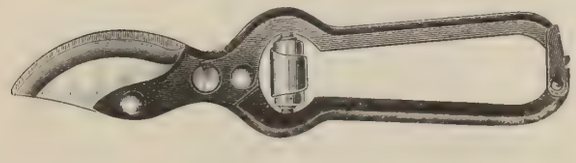
Medium Handle. List per dozen 31.20

Solid cast steel blade, 12 inches long, 3 inches wide, carefully tempered, with polished and sharpened cutting edge; welded eye; bolted strap, black japanned finish; 36-inch selected axe handle; average weight per dozen, 55 lbs.

1 dozen in a crate.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

PRUNING SHEARS



No. 400. List per dozen 20.00

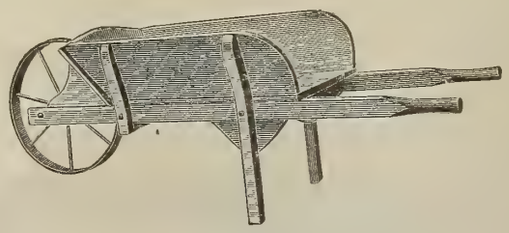
8 Inch California Pattern; Japanned.

Polished forged steel blade, 1⅞ inch cut, tempered and sharpened, riveted to head; black japanned malleable iron head and handles; heavy bolt pivot; blued steel volute spring; lever latch; average weight per dozen, 6 pounds.

1/2 dozen in a box.

NOTE:—This replaces No. 400 on page 286.

GARDEN WHEELBARROWS



"SAMSON."

No. 3. List per dozen **130.00**

Steel Wheel, Stationary Sides.

A light and serviceable wheelbarrow for garden and light general purpose use. Made of seasoned hardwood, strongly braced and finished in the natural color, varnished, trimmed with red; bolted sides, braced legs, steel wheel.

Specifications:

Bed 23 inches long, 16 inches wide at handles, 11 inches wide at wheel, depth 7¼ inches, 16 inch wheel with 2 inch tire, length over all, 58 inches; height over all, 18½ inches; weight per dozen, 300 pounds.

Set up.

GARDEN WHEELBARROWS

"SAMSON."

No. 2. List per dozen 103.20

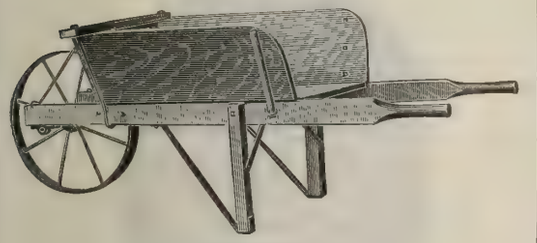
Steel Wheel, Stationary Sides.

A light and serviceable wheelbarrow for garden and light general purpose use, made of seasoned hardwood, painted red; bolted sides, braced legs; black painted steel wheel.

Specifications:—

Bed, 24 inches long, 19 inches wide at handles, 13½ inches wide at wheel; depth 7¾ inches; 16 inch wheel with 2 inch tire; length over all, 62 inches; height over all, 21 inches; average weight per dozen, 336 pounds.

1/12 dozen in a bundle, knocked down.



"SAMSON."

No. 1. List per dozen 162.00

Steel Wheel, Removable Sides.

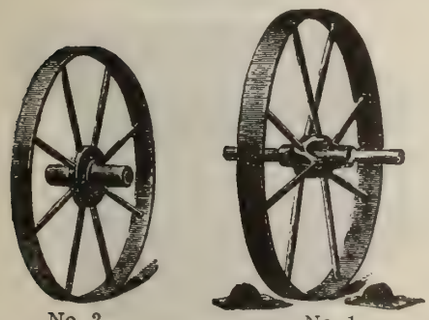
A first class wheelbarrow for general use; made of seasoned hardwood, red painted; strongly braced and bolted; steel leg braces; reinforced bolted back; black painted steel wheel.

Specifications:—

Bed, 27 inches long, 21 inches wide at handles, 16 ins. wide at wheel; 9¼ ins. deep at sides, 11¾ ins. deep at wheel; 20 inch steel wheel with 1⅞ x ¼-inch tire; length over all, 68 inches; height over all, 24½ inches; average weight per dozen, 780 pounds.

1/12 dozen in a bundle, knocked down.

WHEELBARROW WHEELS



No. 2. No. 1.

No. 2. List per dozen 34.80

For No. 2 Samson Wheelbarrows.

Black painted steel wheel, 16 inches diameter, 2 x ⅛-inch rounded tire; seven ⅜-inch spokes; 6 inch hub with hole for 1/2-inch axle; average weight per dozen, 102 pounds. Open stock.

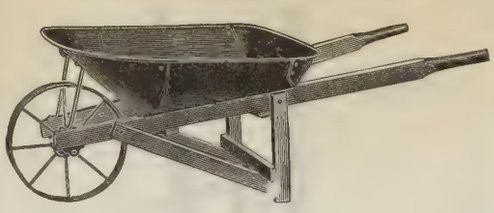
No. 1. List per dozen 44.40

For No. 1 Samson Wheelbarrows.

Black painted steel wheel, 20 inches diameter, 1⅞ x 1/4-inch flat tire; eight 7/16-inch spokes; 5 inch hub; ¾-inch steel axle 13¾ inches long; average weight per dozen, 168 pounds.

Open stock.

STEEL TRAY WHEELBARROWS

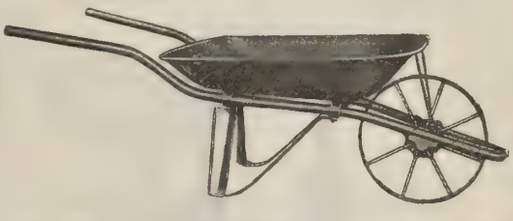


"Comet." List each 12.00

3 Cubic Feet, Full Capacity.

Sheet steel rivetted tray, 18 gauge, reinforced at top with 5/16 inch rod; size on top 32½ inches long, 27 inches wide; selected hardwood frame securely braced and bolted; steel wheel 16 inches diameter, 1½ inch tire, 3/8 inch spokes, ½-inch axle bolt; iron parts painted black, wood parts unpainted; average weight each, 48 pounds.

Shipped knocked down.



No. T80. List each 14.20

3 Cubic Feet Capacity.

Blue painted pressed sheet steel tray without seam or rivet, 18 gauge, with beaded wire rim; size on top 29 x 32 inches; 1 5/16 inch tubular handles and wheel guard; strongly braced flat steel bent legs and braces; black japanned steel wheel 15½ inches diameter, 1⅜ inch flat tire, 7/16 inch spokes, 5/8 inch axle with malleable bearings; length over all, 60 inches; height over all, 20 inches; average weight each, 60 pounds.

Shipped knocked down.

"SAMSON."

Contractors. List each 17.50

4 Cubic Feet Capacity.

Japanned pressed sheet steel tray without seam or rivet, 14 gauge, with beaded wire rim; size on top 34 inches long; 28 inches wide, 7 inches deep at wheel, 9 inches deep at handles; best hardwood frame full bolted, mortised and framed; steel wheel 15½ inches diameter, 1¾ inch flat tire, 7/16 inch spokes, 5/8 inch axle; average weight each, 58 pounds.

Shipped knocked down.

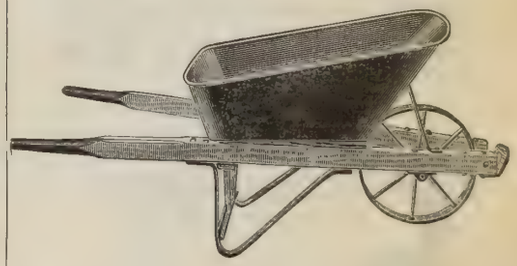
STEEL TRAY WHEELBARROWS

No. T90. List each 18.00

4½ Cubic Feet Capacity.

Pressed sheet steel tray without seam or rivet, 14 gauge, with beaded wire rim; size on top, 29 x 36 inches; 1 5/16 inch tubular handles and wheel guard; strongly braced flat steel bent legs and braces; steel wheel 15½ inches diameter, 1¾ inch flat tire, 7/16 inch spokes, 5/8 inch axle with malleable bearings; blue painted with black painted wheel; average weight each, 65 pounds.

Shipped knocked down.

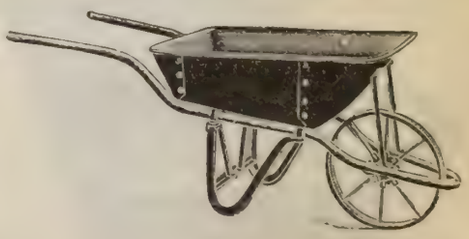


No. 26. List each 21.70

4 Cubic Feet Capacity.

Japanned sheet steel leak-proof tray, 16 gauge, with beaded wire rim; size 34 inches long, 28 inches wide at wheel, 17½ inches deep at wheel, 9 inches deep at handle; firmly bolted heavy hardwood frame with risers, painted red; japanned 1¾ inch channel steel bent legs with flat and angle steel braces; heavy steel nose guard; japanned steel wheel 16 inches diameter, 1½ inch flat tire; length over all, 66 inches; height over all, 28 inches; average weight each, 70 pounds.

Shipped knocked down.



No. 11. List each 37.00

6 Cubic Feet Capacity.

Sheet steel rivetted tray, 14 gauge with beaded wire rim; size on top, 43½ inches long, 32½ inches wide, 1 5/16 inch tubular handles and wheel guard; heavy channel steel bent legs, with shoes, strongly braced; self-lubricating steel wheel 16 inches diameter, 1½ inch flat tire, ten 7/16 inch spokes, 5/8-inch axle; all black painted; average weight each, 101 pounds.

Shipped knocked down.

DRAG SCRAPERS

With Runners.

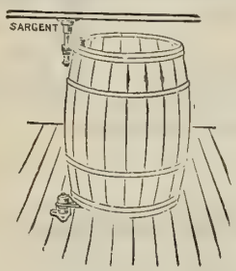
No.	2R	1R
List each	20.00	21.00
Capacity, Cubic Feet	5	7
Width of Bowl, inches	28½	31½
Length of Bowl, inches	32½	35
Depth of Bowl, inches	10	10
Average weight each, lbs.	87	98

With Side Handles.

Pressed from one-piece high carbon steel, without seam or lap; two 1¾ inch runners; 1¾x1/2 inch steel bail with free-working hitch swivel; heavy steel handle sockets; shaped handles of selected hardwood, 30 inches long, of 1¼ x 2¾ inch stock.

Open stock.

BARREL SWINGS

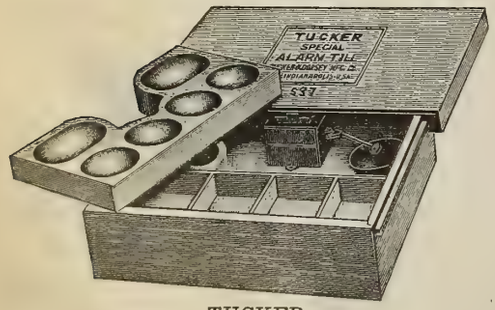


No. 13. List per dozen sets 20.00

For swinging barrels under counters and shelves; black japanned iron castings; bright steel rod 5/8 x 5½ inches; for any size barrel; average weight per dozen sets, 40 pounds.

1/12 dozen sets in a box.

ALARM TILLS
or Money Drawers



TUCKER.

No. 537. List per dozen 90.00

Stained and Varnished Hardwood Front.

Drawer grained, good cabinet work; four bill spaces 3⅝ x 8 inches, one bowl for gold; coin tray with four 3½ inch round and two 3½ x 5 inch oblong bowls; interior and tray natural wood; patent alarm lock with 32 combinations; dimensions— drawer, 4½ x 16¼ inch front, 15¾ inches deep; over cover 4⅞ x 18¼ x 16½ inches; average weight per dozen, 138 pounds.

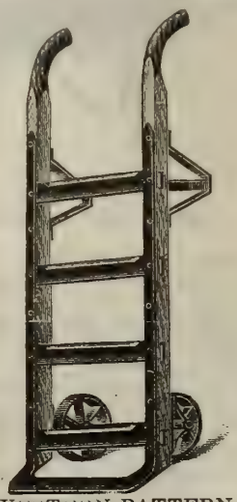
1/2 dozen in a crate.

WAREHOUSE TRUCKS

No. 1. List each 13.00

Oak frame, oiled and varnished, bent handles, (45 inches long), three cross bars and one steel centre bar; forged steel nose (11½ inches wide); 6 inch cast iron wheels; 7/8 inch square steel axle; bent flat steel legs; average weight each, 25 pounds.

Shipped knocked down.



WESTERN PATTERN.

No.	2	3
List each	24.00	33.00
Length handle, inches	52	56
Width Nose, inches	21	22
Width at top bar, inches	21	22
Size wheels, inches	7¾	8¾
Size axle, inches	7/8	1
App. wt. each, lbs.	65	88

Strapped.

Oiled and varnished, selected oak, steam bent handles and cross bars; one-piece heavy steel nose and handle straps; heavy flat steel legs; steel axle; heavy cast iron wheels.

Shipped knocked down.

FUNNELS

Wooden. List per dozen 7.00

One piece, smooth maple, oil finish; 7½ inches long over all; 3¾ inches diameter; average weight per dozen, 4 lbs.

Open stock.

VINEGAR MEASURES

WOOD.

Capacity	1-Pt.	1-Qt.	½-Gal.
List per dozen	20.40	26.40	32.40
Inside size, inches	2¾x5⅝	6⅝x3⅝	5x7
App. wt. doz., lbs.	12	20	27

Imperial Measure; Government Stamped.

One-piece body of smooth maple, oiled finish outside; heavy bottom and sides, wide lip; hardwood handle.

Open stock.

DRY MEASURES

WOOD.

Capacity.	Size, ins.	App. wt. doz.	List doz.
1 gallon	8¼x4½	17 lbs.	8.00
1 peck	10¾x5½	31 lbs.	11.20
½ bushel	13¾x7½	42 lbs.	18.80
1 bushel	15¼x11½	64 lbs.	36.00

Imperial Measure; Government Stamped.

Oiled finish smooth steam bent maple sides; heavy wood bottom nailed in flush; top rim re-inforced with wood strip; bound with 1/2 inch steel strapping; strong and serviceable.

Open stock.

IRON.

Capacity.	Size, ins.	App. wt. doz.	List doz.
1 gallon	8⅜x5⅝	12¾ lbs.	11.40
1 peck	10½x6¾	20¼ lbs.	14.68
½ bushel	14⅝x7	42¾ lbs.	21.92
1 bushel	14½x13¾	54¾ lbs.	35.70

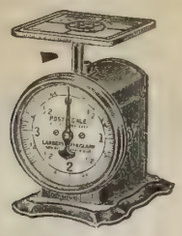
Imperial Measure; Government Stamped.

Strongly made of black iron; black Japanned, gold decorated; wire reinforced rim; spot soldered handles.

Price includes stamping.

Open stock.

SCALES



POSTAL.

No. 2401. List each 5.70

1/2 Oz. to 4 Lbs. Capacity.

Black enamelled sheet steel case, decorated in gilt and red; 7 inch white enamel straight dial marked in black by half ounces; with glass and nickel plated sash; adjusting screw at top covered by cap; platform 5½ inches square; height over all 9¼ inches; average weight each packed, 4 pounds.

1 in a carton.

SCALE SCOOPS

No. 2401. List each ..... .70

For No. 2401 Postal Scale.

Seamless tin body with wire rim, 12½ x 6⅞ inches; soldered round stand with wire rim, 5 inches diameter; average weight each, 9 ounces.

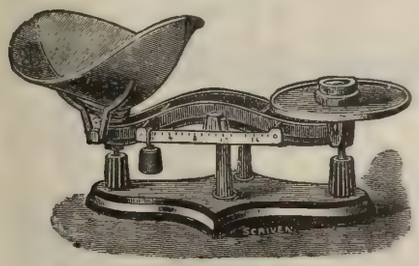
Open stock.

Sportsman's. List per dozen 10.50

1/4 to 15 Lb. Capacity.

Nickel plated brass case, 5/8 inch diameter, 2¼ inches long; inner adjusting tube; black finish metal sliding dial with white figures and graduations in 1/4 Lbs.; nickel plated hook and ring; length over all, 5½ inches; average weight per dozen, 2¼ pounds.

1/2 dozen on a display card.
1 dozen in a carton.



EVEN BALANCE.

4-Lbs. List each 10.50

1/4 Oz. to 4 Lbs. Capacity.

With one 1-Lb. and one 2-Lb. weights; average weight each packed, 15½ pounds.

10-Lbs. List each 12.90

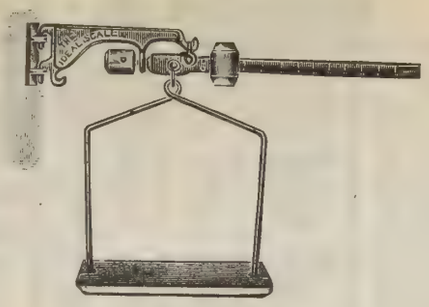
1/4 Oz. to 10 Lb. Capacity.

With one 1-Lb., one 2-Lb. and two 3-Lb. weights; average weight each packed, 30 pounds.

Gilt striped, black japanned, cast iron frame; brass beam, notched and marked to 1 pound in half ounces; wire rim tin scoop; iron poise.

Price includes Government stamping.
1 in a carton.

SCALES



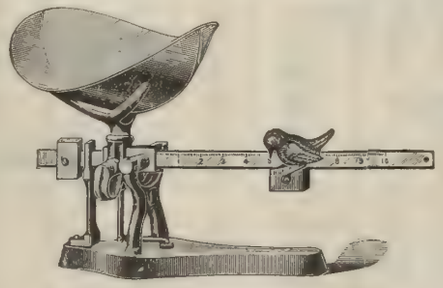
HOUSEHOLD.

Ideal. List each 8.60

1 Oz. to 16 Lb. Capacity.

Black japanned cast iron swinging bracket and wall plate, 9 inches long; nickel-plated slide beam marked to 16 Lbs. in ounces, no loose weights required; nickel plated sliding poise; aluminum painted, counter balance weight; galvanized heavy wire frame; aluminum painted wood platform 11 inches square; height over all, 15 inches; average weight each packed, 8½ pounds.

Price includes Government stamping.
1 in a carton.



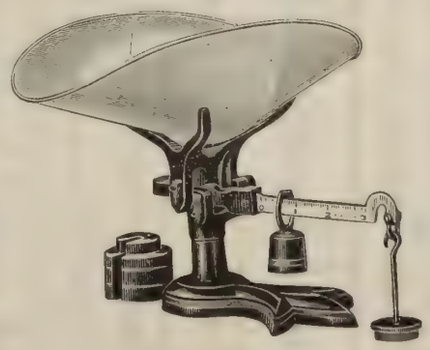
HOUSEHOLD.

No. 212. List each 8.10

1 Ounce to 10 Pounds Capacity.

Gilt striped, black japanned cast iron frame; nickel plated beam, marked to 10 pounds in ounces, no loose weights required; ornamental iron poise and counter balance; wire rim tin scoop 14½ x 7 inches; base 12 x 4¾ inches; height over all, 11 inches; average weight each packed, 11 pounds.

Price includes Government stamping.
1 in a carton.



HOUSEHOLD.

No. 214. List each 10.50

1/2 Oz. to 25 Lbs. Capacity.

Gilt striped, black japanned cast iron frame; brass beam notched and marked to 3 pounds in half ounces; swinging poise, with one 2, one 4 and two 8 Lb. weights; wire rim heavy tin scoop 18 x 8¾ inches; base 6 x 4½ inches; height over all 12½ inches; average weight each packed, 21 pounds.

Price includes Government stamping.
1 in a box.

SCALES

UNION.

240-Lb. List each 21.80

Platform Counter Scale.

1/2 Oz. to 240 Lbs. Capacity.

Black japanned and decorated cast iron frame and platform; notched and marked single brass beam, marked to 40 pounds, in half ounces for scoop and 1/4 lb. for platform; wire rim, tin scoop, 20½ x 9½ inches; iron poise, with one 5-40 Lb. and two 10-80 Lb. weights; platform 11 x 10 inches; length over all, 21 inches; height over all, 12 inches; average weight each packed, 50 pounds.

Price includes Government stamping.
1 in a wooden box.

PORTABLE PLATFORM SCALES

600 Pound Capacity. List each 57.00

1/4 to 50 Lb. notched beam, with one 50, one 100 and two 200 Lb. weights; platform 16 x 22 inches; average weight each, 116 pounds.

1,200 Pound Capacity. List each 68.00

1/2 to 100 Lb. notched beam, with one 100, one 200, one 300 and one 500 Lb. weights; platform 21 x 37 inches; average weight each, 140 pounds.

Single Brass Beam.

Black japanned cast iron frame with lifting handles; polished, notched and marked brass beam; swinging poise; varnished wood platform with iron border; 4 x 4 inch wood pillar, inside braced; wooden cap; cast iron weight rack and beam lock; hardened steel pivots; 5-inch cast iron wheels; height over all, 44 ins.

Price includes Government stamping.

ADAPTED JUNE 1st. 1922

WINDOW GLASS

Not Subject to Our Usual Discount.

MANUFACTURERS STANDARD PANE PRICE LIST, ALSO NUMBER OF LIGHTS IN A 100 FT. BOX.

Size Inches	Star Single	Double Diamond	No. of Lights
7x 9	$ 18	$ 22	229
8x10	22	26	180
x12	26	32	150
9x12	30	36	133
10x12	34	40	120
x14	38	46	103
x16	46	58	90
x18	52	64	80
x20	58	72	72
10x22	64	80	65
x24	70	80	60
12x14	50	60	86
x16	56	68	75
x18	62	78	67
x20	70	86	60
x22	76	94	55
x24	88	1 08	50
x26	96	1 18	46
12x28	1 02	1 26	43
x30	1 18	1 52	40
x32	1 24	1 64	38
x34	1 36	1 76	35
x36	1 44	1 88	33
x38	1 48	1 96	32
x40	1 64	2 16	30
14x16	66	80	64
x18	74	92	57
14x20	82	1 04	51
x22	94	1 16	47
x24	1 02	1 24	43
x26	1 10	1 44	40
x28	1 24	1 68	37
x30	1 36	1 80	34
x32	1 44	1 96	32
x34	1 56	2 08	30
x36	1 64	2 16	29
14x38	1 84	2 36	27
x40	1 92	2 44	26
x42	2 04	2 64	24
x44	2 12	2 76	23
x46	2 24	2 88	22
15x28	1 36	1 80	34
x30	1 44	1 96	32
15x32	1 56	2 08	30
x34	1 68	2 24	28
x36	1 84	2 36	27
x38	1 96	2 52	25
x40	2 04	2 64	24
16x16	76	92	56
x18	84	1 04	50
x20	98	1 24	45
x22	1 08	1 36	41
16x24	1 16	1 52	38
x26	1 32	1 76	35
x28	1 52	1 96	32
x30	1 56	2 04	30
x32	1 68	2 24	28
x34	1 80	2 40	26
x36	1 96	2 52	25
x38	2 04	2 64	24
x40	2 12	2 76	23
16x42	2 32	3 04	21
x44	2 48	3 20	20
x46	2 64	3 36	20
x48	2 76	3 52	19
x50	2 92	3 72	18
x52	..	3 96	17
18x20	1 10	1 36	40
x22	1 22	1 60	36
x24	1 40	1 80	33
x26	1 52	2 00	31
x28	1 60	2 12	29
x30	1 76	2 32	27
x32	1 88	2 48	25
x34	2 04	2 64	24
x36	2 24	2 88	22

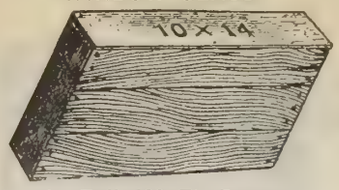
Size Inches	Star Single	Double Diamond	No. of Lights
18x38	2 36	3 04	21
x40	2 48	3 20	20
x42	2 72	3 48	19
x44	2 92	3 72	18
x46	3 08	3 96	17
x48	3 16	4 08	17
x50	3 28	4 20	16
x52	..	4 48	15
x54	..	4 92	15
18x56	..	5 04	14
x58	..	5 24	14
x60	..	5 80	13
20x20	1 22	1 56	36
x22	1 40	1 88	33
x24	1 56	2 08	30
x26	1 64	2 24	28
x28	1 80	2 40	26
x30	1 96	2 56	24
x32	2 16	2 76	23
x34	2 32	3 04	21
x36	2 44	3 20	20
x38	2 60	3 36	19
x40	2 84	3 60	18
x42	3 08	3 96	17
x44	3 28	4 20	16
x46	3 40	4 36	16
x48	3 48	4 48	15
20x50	3 76	4 80	14
x52	..	5 24	14
x54	..	5 64	13
x56	..	5 80	13
x58	..	6 16	12
x60	..	6 28	12
22x22	1 56	2 08	30
x24	1 76	2 32	27
x26	1 88	2 60	25
22x28	2 04	2 80	23
x30	2 24	2 92	22
x32	2 48	3 20	20
x34	2 60	3 36	19
x36	2 72	3 52	18
x38	3 00	3 76	17
x40	3 28	4 20	16
x42	3 40	4 32	16
x44	3 52	4 48	15
22x46	3 68	4 80	14
x48	3 80	4 92	14
x50	4 52	5 64	13
x52	..	5 72	13
x54	..	6 04	12
x56	..	6 12	12
x58	..	6 20	12
x60	..	9 00	11
24x24	1 88	2 44	25
24x26	2 04	2 60	23
x28	2 36	3 00	21
x30	2 48	3 20	20
x32	2 60	3 36	19
x34	2 72	3 52	18
x36	2 88	3 76	17
x38	3 28	4 20	16
x40	3 48	4 48	15
x42	3 72	4 76	14
24x44	3 80	4 92	14
x46	4 00	5 20	13
x48	4 84	6 00	12
x50	5 00	6 20	12
x52	..	6 40	12
x54	..	6 64	11
x56	..	6 80	11
x58	..	9 00	10
x60	..	10 00	10
24x62	..	10 80	10
x64	..	12 00	9
x66	..	12 20	9
26x26	2 36	3 04	21
x28	2 48	3 20	20

Size Inches	Star Single	Double Diamond	No. of Lights
26x30	2 72	3 52	18
x32	2 88	3 76	17
x34	3 04	3 96	16
x36	3 40	4 40	15
26x38	3 52	4 52	38
x40	3 76	4 80	14
x42	4 00	5 08	13
x44	4 20	5 20	13
x46	4 88	6 00	12
x48	5 36	6 60	11
x50	5 44	6 80	11
x52	..	7 00	11
x54	..	7 32	10
26x56	..	9 20	10
x58	..	11 20	9
x60	..	12 00	9
x62	..	12 20	9
x64	..	12 20	9
x68	..	13 80	8
x66	..	14 20	8
x70	..	16 00	8
28x28	2 72	3 52	18
28x30	2 88	3 76	17
x32	3 08	3 96	16
x34	3 48	4 48	15
x36	3 68	4 72	14
x38	3 80	4 84	14
x40	4 00	5 20	13
x42	4 36	5 60	12
x44	4 88	6 12	12
x46	5 28	6 60	11
28x48	5 36	6 80	11
x50	6 00	7 20	10
x52	..	7 60	10
x54	..	9 80	10
x56	..	10 12	10
x58	..	11 68	9
x60	..	12 00	9
x62	..	13 52	8
x64	..	13 80	8
30x30	3 04	3 96	16
x32	3 48	4 48	15
x34	3 76	4 80	14
x36	4 00	5 00	13
x38	4 20	5 20	13
x40	4 36	5 60	12
x42	5 20	6 60	11
x44	5 40	6 80	11
x46	5 88	7 28	10
x48	6 00	7 40	10
x50	6 40	7 80	10
x52	..	10 00	9
x54	..	11 20	9
x56	..	12 00	9
x58	..	13 40	8
x60	..	13.60	8
x62	..	13 80	8
x64	..	14 20	8
x66	..	16 00	8
32x32	3 76	4 80	14
32x34	4 00	5 20	13
x36	4 36	5 40	12
x38	4 60	5 80	12
x40	5 20	6 60	11
x42	5 40	6 80	11
x44	5 88	7 20	10
x46	6 08	7 40	10
x48	6 60	8 16	9
x50	..	11 00	9
32x52	..	11 40	9
x54	..	13 20	8
x56	..	13 44	8
x58	..	13 60	8
x60	..	13 80	8
x62	..	15 60	7
x64	..	18 00	7
x66	..	18 48	7

Size Inches	Star Single	Double Diamond	No. of Lights
32x68	..	18 80	7
32x70	..	22 60	6
x72	..	23 00	6
34x34	4 36	5 60	12
x36	4 56	5 88	12
x38	5 32	6 60	11
x40	5 52	6 92	11
x42	5 88	7 20	10
x44	6 00	7 40	10
x46	6 52	8 16	9
34x48	..	11 20	9
x50	..	12 60	8
x52	..	13 40	8
x54	..	13 60	8
x56	..	13 80	8
x58	..	15 60	7
x60	..	15 80	7
x62	..	18 40	7
x64	..	18 80	7
34x66	..	21 20	6
x68	..	22 00	6
x70	..	23 00	6
x72	..	25 60	6
x76	..	25 80	6
36x36	5 20	6 60	11
x38	5 40	6 80	11
x40	5 80	7 20	10
x42	6 00	7 40	10
36x44	6 52	8 16	9
x46	..	11 20	9
x48	..	12 60	8
x50	..	13 40	8
x52	..	13 68	8
x54	..	15 40	7
x56	..	15 72	7
x58	..	16 00	7
x60	..	18 48	7
36x62	..	21 20	6
x64	..	21 60	6
x66	..	22 20	6
x68	..	23 00	6
x70	..	25 20	6
x72	..	25 80	6
x74	..	30 80	5
x76	..	32 80	5
x78	..	33 20	5
38x38	5 80	7 36	10
x40	6 52	8 00	9
x42	6 60	8 40	9
x44	7 00	11 00	9
x46	..	12 60	8
x48	..	13 40	8
x50	..	13 60	8
x52	..	15 40	7
x54	..	15 68	7
38x56	..	15 80	7
x58	..	20 00	6
x60	..	21 20	6
x62	..	21 60	6
x64	..	22 40	6
x66	..	23 00	6
40x40	6 52	8 60	9
x42	7 00	11 20	9
x44	8 00	13 20	8
x46	..	13 40	8
x48	..	13 80	8
x50	..	15 20	7
x52	..	15 60	7
x54	..	15 80	7
x56	..	18 40	7
40x58	..	21 20	6
x60	..	21 60	6
x62	..	22 80	6
x64	..	23 20	6
x66	..	25 60	6

Size Inches	Star Single	Double Diamond	No. of Lights
40x68	..	29 00	5
x70	..	30 80	5
x72	..	32 40	5
x74	..	33 20	5
40x76	..	34 60	5
x78	..	35 00	5
42x42	..	12 60	8
x44	..	13 40	8
x46	..	13 80	8
x48	..	15 40	7
x50	..	15 80	7
x52	..	16 20	7
x54	..	21 00	6
x56	..	21 40	6
x58	..	21 80	6
x60	..	22 60	6
42x62	..	23 00	6
x64	..	30 00	5
x66	..	30 80	5
x68	..	31 60	5
x70	..	32 20	5
x72	..	33 00	5
x74	..	35 00	5
44x44	..	15 40	7
x46	..	15 60	7
x48	..	15 80	7
x50	..	16 20	7
x52	..	18 48	7
44x54	..	21 00	6
x56	..	21 60	6
x58	..	23 00	6
x60	..	27 40	5
x62	..	30 80	5
x64	..	31 20	5
x66	..	31 80	5
x68	..	33 00	5
x70	..	33 20	5
x72	..	34 20	5
46x46	..	18 40	6
x48	..	19 20	6
x50	..	21 20	6
46x52	..	21 60	6
x54	..	22 00	6
x56	..	26 00	5
x58	..	27 40	5
x60	..	30 00	5
x62	..	31 00	5
x64	..	31 80	5
x66	..	33 00	5
48x48	..	21 00	6
x50	..	21 60	6
x52	..	22 00	6
x54	..	23 00	6
48x56	..	26 80	5
x58	..	30 00	5
x60	..	30 80	5
x62	..	32 00	5
x64	..	33 00	5
x66	..	34 00	5
x68	..	35 00	5
50x50	..	25 80	5
x52	..	27 40	5
x54	..	28 20	5
x56	..	30 00	5
x58	..	30 80	5
50x60	..	32 00	5
x62	..	33 00	5
x64	..	40 00	4
52x52	..	27 40	5
x54	..	30 00	5
x56	..	31 00	5
x58	..	32 00	5
x60	..	33 00	5
x62	..	36 00	4
54x54	..	30 60	5
x56	..	31 60	5
x58	..	33 00	5
x60	..	33 60	5

WINDOW GLASS



BELGIAN GLASS

Discount (Market) .....

CANADIAN GLASS

Discount (Market) .....

In Full 100 Ft. Boxes.
STANDARD LIST PER 100 FT. BOX

United Inches.	25 and under	26 to 40	41 to 50	51 to 60	61 to 70	71 to 80	81 to 84
Star, Single. List per case	6.00	7.45	8.10	8.45	8.80	X	X
Double Diamond. List per case ..	X	12.20	13.30	13.80	14.40	15.15	17.65

Star or Single Strength Glass weighs approximately 16 ozs. to the square foot; Double Diamond, 21 ozs. Carefully packed in 100 Ft. boxes. To find the number of united inches in any size of glass, add together the lengths of the two different sides. For instance, there are 29 united inches in a light of glass 12 x 17 inches because 12 and 17 added together make 29.

GLAZIERS DIAMONDS

INFALLIBLE.

No. 2201-D. Fine. List each 4.50

No. 2202-C. Medium. List each 5.00

No. 2204-A. Large. List each 7.50

A simple and efficient tool particularly suitable for inexperienced glass cutters; cuts clean; tested diamonds in sizes as above; nickel plated steel head 1⅜ inches long with three-slot rack; brass setting and ferrule; steel guide wheel; polished wood handle; length over all, 3½ inches; average weight each, 1 ounce.
Packed as ordered.

No. 2. Without Back. List each 8.00

Grade A Diamond.

Selected Brazilian diamond, for cutting sheet glass; heavy polished steel oscillating head; polished brass round shank; polished and shaped tropical wood handle; length over all, 7½ inches; average weight each, 1½ ounce.
Packed as ordered.

No. 2. With Rack. List each 9.00

Grade A Diamond.

Selected Brazilian stone, for cutting ordinary sheet glass; heavy polished steel oscillating head; three-slot polished steel flat rack; brass base plate; polished and shaped tropical wood handle; length over all, 6¾ inches; average weight each, 1½ ounce.
Packed as ordered.

No. 4. With Rack. List each 13.00

Grade A Diamond.

Selected Brazilian stone, for cutting heavy sheet glass; heavy polished steel oscillating head; polished brass round shank mounted with polished steel three-slot rack; polished and shaped tropical wood handle; length over all, 7½ inches; average weight each, 1½ ounces.
Packed as ordered.

GLASS CUTTERS

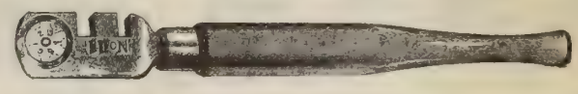
No. 10. List per dozen 2.50

Hardened steel revolving cutter wheel; one-piece steel head and handle; polished head with three slots; flattened handle painted red; length over all, 5 inches; average weight per dozen, 5/8 pounds.
1 dozen in a box.

RED DEVIL.

No. 024. List per dozen 4.00

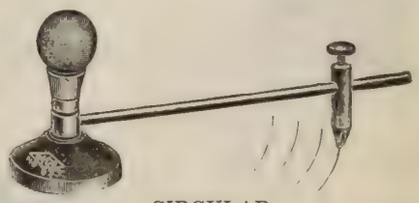
Superior steel revolving cutter wheel; one-piece steel head and handle; three-slot polished head, red painted flattened handle; length over all, 5⅛ inches; average weight per dozen, 3/4 pounds.
1 dozen in a box. Each in a carton.



No. 11. List per dozen 8.00

Turret Head.

Revolving turret holds six cutter wheels of high grade hardened steel; nickel plated steel head with two-slot rack; stained and varnished wood handle; nickel plated ferrule; length over all, 5½ inches; average weight per dozen, 3/4 pounds.
1 dozen in a box.



CIRCULAR.

No. 033. List per dozen 7.20

Cuts Circles 2 to 20 Inches Diameter.

Steel head set with "Red Devil" hand-honed steel revolving wheel, secured at any point on the 10 inch rod by turning the thumb screw; hardwood base and knob with polished steel hub; base 1¾ inches diameter with rubber cloth mat to prevent slipping; average weight per dozen, 2 lbs.
1/2 dozen in a box.

GLASS CUTTER WHEELS

No. 11. List per dozen 1.20
For No. 11 Glass Cutters. Packed as ordered.

PUTTY

For Glaziers and Painters Use.

STANDARD.

25-lb. Irons. List 100 pounds 10.10

100-lb. Drums. List 100 pounds 9.60

Bladders. List 100 pounds 12.60

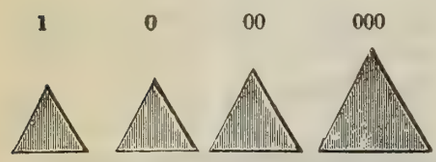
Free working, spreads smoothly, drys hard; bladders are strong and air and oil tight; packed in barrels of about 400 pounds; bladders weigh approximately 15 pounds each.

PURE PUTTY

25-lb. Irons. List 100 pounds 12.50

Made of best whiting and pure linseed oil; first quality.

GLAZIERS POINTS

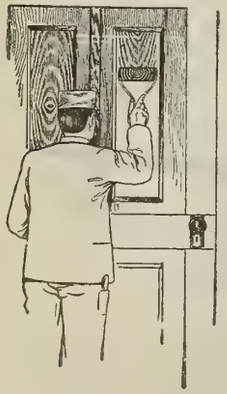


Illustrations actual size.

Size	1	0	00	000
List package	14	14	14	14

Triangular Zincs.
Half Pound Papers.

GRAINING ROLLS



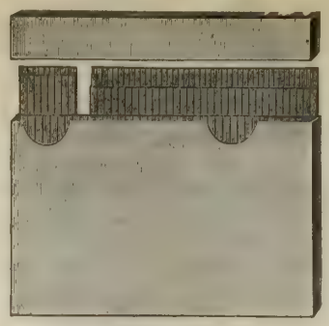
"Magic." List per dozen 9.00

Handled.

Figured rubber roller, 3 inches long, mounted on wooden core, 1⅜ inch diameter; twisted handle of 9 gauge steel wire; a good tool for graining all kinds of woodwork; easy to operate; average weight per dozen, 4 pounds.

1/12 dozen in a box.

GRAINING COMBS



In Tin Boxes. List per set 3.00

12 Combs, Assorted.

Fine quality blued English Steel; all 3 9/16 inches long; assorted three combs each, 1, 2, 3 and 4 inches wide, each width with teeth 6, 9 and 12 to inch; in brassed tin boxes with separate compartments for each width; average weight per set, ¾ pound.

1 set in a tin box.

PAPER HANGERS SEAM ROLLERS

No. 81R. List per dozen 7.20
Maple Roll, 1 inch Face.

No. 82R. List per dozen 8.00
Cocobola Roll, 1¼ inch Face.

Oval Face Rolls.

Hardwood rollers (as above), 1¼ inches diameter with through steel axle; full nickel plated heavy metal screw-on frame; 4½ inch polished maple handle with steel ferrule and screw; length over all 6½ inches; average weight per dozen, 2½ pounds.

1 dozen in a box.

PAPER HANGERS CASING WHEELS

No. 06. List per dozen 16.00

1⅞ inch Knife Edge Wheel.

Polished steel wheel, carefully tempered and sharpened, secured between nickel plated steel shanks by set screw; nickel plated steel ferrule; polished hardwood handle; length over all, 6½ inches; average weight per dozen, 1½ pounds.

1/2 dozen in a box.

BASE TRIMMERS
or
Paper Hangers Trimmers

No. 65. List per dozen 13.00

1⅜ inch Knife Edge Wheel.

Polished steel wheel, carefully tempered and sharpened, rivetted between polished steel shanks; nickel plated steel ferrule; natural finish (waxed) hardwood handle; length over all, 6⅜ inches; average weight per dozen, 1¼ pounds.

1/2 dozen in a box.

No. 68. List per dozen 18.00

1½ inch Knife Edge Wheel.

Polished steel wheel, with hubs, carefully tempered and sharpened, secured between polished steel shanks by set screw; nickel plated steel ferrule; natural finish (waxed) hardwood handle; length over all, 6½ inches; average weight per dozen, 1½ pounds.

1/2 dozen in a box.

WHITE LEAD

BLUE DIAMOND.

25-lb. Irons. List per 100 pounds 27.60

Canadian Government Standard.

Pure (basic carbonate) white lead ground and refined linseed oil; in strict accordance with Government specifications; possesses unusual spreading and preservative properties.

In 25 pound irons.

PUTTY KNIVES

No. 100. List per dozen 2.50

Square Point; Stiff Blade.

Fine quality steel blade, oil tempered, full polished 1¼ x 3¾ inches; steel ferrule; stained, round wood handle; length over all, 7½ inches; average weight per dozen, 1¼ pounds.

1 dozen in a box.

No. 103F. List per dozen 3.30

Square Point; Stiff Blade.

Full polished steel blade, oil tempered, 1¼ x 3¾ inches;; steel bolster ferrule; flat ebonized handle; length over all, 7½ inches; average weight per dozen, 1½ pounds.

1 dozen in a box.

No. 105RC. List per dozen 5 10

Square Point; Half Elastic.

Polished steel blade, 1¼ x 3¾ inches, ground and sharpened; full scale tang; rosewood handle secured by three steel rivets; length over all, 7½ inches; average weight per dozen, 1¾ pounds.

1 dozen in a box.

"UNIVERSAL."

No. 200. List per dozen 5.60

Square Point; Half Elastic.

Forged polished crucible steel blade 1⅜ x 3¾ inches, carefully ground, cross-glazed finish; full scale tang; plain oval beech handle secured by three brass rivets; length over all, 7½ inches; average weight per dozen, 1⅜ pounds.

1 dozen in a box.

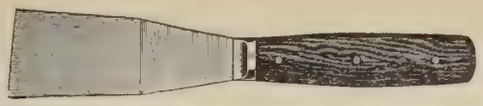
No. 150S. List per dozen 10.00

Square Point; Stiff Blade.

Forged polished crucible steel blade, 1¼ x 3½ inches, carefully ground and sharpened, cross glazed finish; full scale tang; metal bolsters; cocobolo handle secured by three steel rivets; length over all, 7⅜ inches; average weight per dozen, 2 lbs.

1 dozen in a box.

PUTTY KNIVES



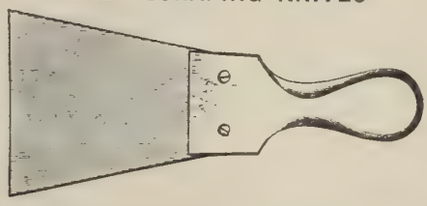
No. 150C. List per dozen 10.00

Clipped Point; Stiff Blade.

Forged polished crucible steel blade, 1¼ x 3½ inches, carefully ground, cross-glazed finish; full scale tang; metal bolsters; cocobolo handle secured by three steel rivets; length over all, 7⅜ inches; average weight per dozen, 2¼ pounds.

1 dozen in a box.

WALL SCRAPING KNIVES

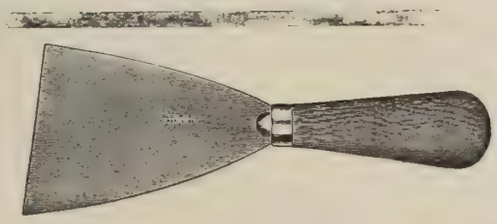


No. 180. List per dozen 3.70

Square Point; Stiff Blade.

Cold rolled steel blade, 4 inches wide, 3¾ inches long, bright finish; blade inserted into plain wood handle and secured by two steel rivets; length over all, 9 inches; average weight per dozen, 4 lbs.

1 dozen in a box.



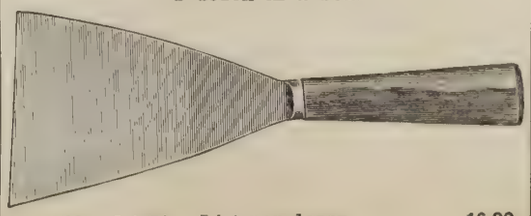
No. 100 x 3 inch. List per dozen 9.00

No. 100 x 3½ inch. List per dozen 10.50

Clipped Point; Elastic Blade.

Forged polished crucible steel blade, 3 or 3½ inches wide (as above), 4¼ inches long, carefully ground and sharpened; nickel plated steel ferrule; plain oval beech handle; length over all, 8¾ inches; average weight per dozen, 2½ pounds.

1 dozen in a box.



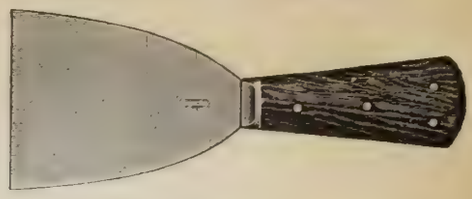
No. 46 x 3 inch. List per dozen 16.80

Clipped Point; Stiff Blade.

Extra quality English crucible steel blade, 3 inches wide, 5 inches long, carefully ground and sharpened, cross polished finish; rosewood handle; length over all 9⅜ inches; average weight per dozen, 3¼ pounds.

1 dozen in a package.

WALL SCRAPING KNIVES



"UNIVERSAL."

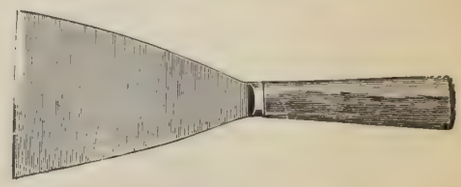
No. 2107S x 3 inch. List per dozen 17.00

No. 2107S x 3½ inch. List per dozen 19.00

Square Point.

Fine quality forged polished crucible steel blade, 3 or 3½ inches wide (as above), 4 inches long, carefully ground and sharpened, cross glazed finish; full scale tang; heavy metal bolsters; broad cocobolo handle secured by four brass rivets; length over all, 8 inches; average weight per dozen, 3¾ pounds.

1 dozen in a box.



No. 46 x 3½ inch. List per dozen 19.50

Square Point; Stiff Blade.

Extra quality English Crucible steel blade, 3½ inches wide, 5 inches long, carefully tempered, ground and sharpened, cross polished finish; rosewood handle; length over all, 9½ inches; average weight per dozen, 3½ pounds.

1 dozen in a package.

PAPER HANGERS KNIVES

No. 23R. List per dozen 4.50

Round Point.

Forged polished crucible steel blade 2⅜ inches long, carefully ground and sharpened; nickel plated ferrule; round stained wood handle; length over all, 6½ inches; average weight per dozen, 1¼ pounds.

1 dozen in a box.

No. 23S. List per dozen 4.50

Square Point.

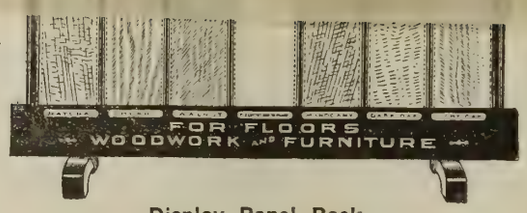
Forged polished crucible steel blade, 3¼ inches long; carefully ground and sharpened; nickel plated ferrule; round stained wood handle; length over all, 7 inches; average weight per dozen, 1¼ pounds.

1 dozen in a box.

Makers List ..... .60 1.00 1.10

Dealer Helps.

We shall be pleased to furnish, upon request, Display Panel Rack, as illustrated. This rack is 19½ inches long and 15 inches high and shows on separate panels the different colors actually applied to the wood. Attractive color folders for distribution over the counter or in your mail will also be supplied upon request.



Display Panel Rack.

when a surface has lost its gloss and needs brightening up. The buff **Ground Color** is for use in changing the color of an old surface from a dark shade to a light shade, in using this, however, the grain of the wood is covered as in the use of paint. Directions are printed on each can.

In round friction top cans.

VARNISH

"FLEXIFLINT" FLOOR VARNISH.

Size	½ Pt.	1 Pt.	1 Qt.
List per can	.78	1.32	2.28
App. wt. each, lbs.	3/4	1½	2½
Makers List	.65	1.10	1.90

Imperial Measure.

An extremely hard yet sufficiently elastic, high grade gloss varnish which will withstand hard usage; has good body and is very brilliant; will not turn white when subjected to water; excellent for use on linoleum and interior work that is subject to hard usage.

In square cans, open stock.

VARNISH

"FLEXIFLINT" FINISH INTERIOR.

Size	½ Pt.	1 Pt.	1 Qt.
List per can	.78	1.32	2.28
App. wt. each, lbs.	3/4	1½	2½
Makers List	.65	1.10	1.90

Imperial Measure.

A high grade gloss interior varnish, brilliant and tough, has good body; specially prepared for general indoor work; rubs nicely.

In square cans, open stock.

VARNISH

"FLEXIFLINT" FINISH EXTERIOR.

Size	½ Pt.	1 Pt.	1 Qt.
List per can	.84	1.50	2.70
App. wt. each, lbs.	3/4	1½	2½
Makers List	.70	1.25	2.25

Imperial Measure.

A first quality varnish for outside surfaces; has great elasticity and durability; possesses a high gloss, will not turn white in water; particularly adapted for outside work, also marine uses.

In square cans, open stock.

VARNISH

"FLINTSPAR."

Size	½ Pt.	1 Pt.	1 Qt.	1 Gal.
List per can	.72	1.20	2.10	7.20
App. wt. each, lbs.	¾	1½	2½	9¾
Makers List	.60	1.00	1.75	6.00

An excellent all-purpose varnish, can be used on any surface where a varnish finish is desired; drys with a high gloss finish, can be rubbed to satin finish; very pale in color, will not turn white in hot or cold water; stands up well on boats, automobiles, floors, etc.; in square cans.

No. 1 FURNITURE VARNISH.

Size	½ Pt.	1 Pt.
List per can	.60	1.02
App. wt. each, lbs.	¾	1½
Makers List	.50	.85

A quick drying varnish made specially for use on furniture, can also be used on inside woodwork; possesses a high gloss, free flowing; in round friction top utility cans.

LIGHT HARD OIL FINISH.

Size	½ Pt.	1 Pt.
List per can	.60	1.02
App. wt. each, lbs.	¾	1½
Makers List	.50	.85

A general varnish, medium in price; suitable for inside work such as doors and trim; free flowing; easily applied; in round friction top utility cans.

WHITE ENAMEL UNDERCOATING

"FLEXIFLINT."

Size	½ Pt.	1 Pt.
List per can	.84	1.44
App. wt. each, lbs.	1¼	2½
Makers List	.70	1.20

Used for building up a foundation for white enamel; brushes easily, drys quickly and requires little sanding; can also be used as a flat white finish when no gloss is desired; in round friction top utility cans.

WHITE ENAMEL

"FLEXIFLINT."

Size	½ Pt.	1 Pt.
List per can	1.14	2.04
App. wt. each, lbs.	1	2¼
Makers List	.95	1.70

A white enamel of exceptional quality, possessing remarkable flowing properties and great durability; produces a beautiful white, porcelain-like surface; easy working and slow setting; can be rubbed to satin finish; for use on outside or inside surfaces; in round friction top utility cans.

BROWN JAPAN

FLINT No. 1.

Size	½ pt.	1 Pt.	1 Gal.
List per can	.48	.78	3.90
App. wt. each, lbs.	¾	1½	10
Makers List	.40	.65	3.25

A strong drying Japan for use in quickening the drying of paint; should be added to raw linseed oil in the proportion of half pint to the gallon.

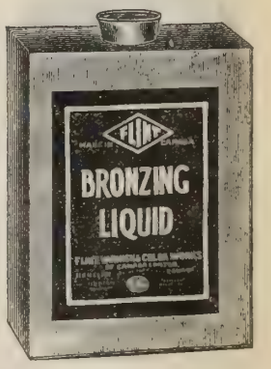
PAINT AND VARNISH REMOVER

BLUE DIAMOND.

Size	½ Pt.	1 Pt.	1 Qt.
List per can	.54	.90	1.68
App. wt. each, lbs.	¾	1¼	2½
Makers List	.45	.75	1.40

For removing paint, varnish and shellac from any surface; will not raise the grain of the wood or injure the hands; full directions on each can; in square cans.

BRONZING LIQUID



FLINT.

Size	½ Pt.	1 Pt.
List per can	.54	.84
App. wt. each, lbs.	¾	1½
Makers List	.45	.70

A quality preparation for mixing with aluminum or gold bronze for use in bronzing all kinds of metal surfaces, hot or cold; in square cans.

FLAT BLACK FINISH

FLINT.

½ Pint. List per can ..... .72
Makers list ..... .60

A quick drying, dead flat finish; for use on iron grills, railings and decorative iron work; can be applied on surfaces which are subjected to heat; in round friction top utility cans; average weight each, 7/8 pounds.

All Imperial Measure: Open Stock.

AUTO BLACK ENAMEL

FLINT.

Size	½ Pt.	1 Pt.	1 Qt.
List per can	.84	1.44	2.58
App. wt. each, lbs.	¾	1½	2¾
Makers List	.70	1.20	2.15

A high grade black enamel for renewing the finish on used cars; drys with a high gloss, jet black in color; for use on bodies and fenders; in round friction top utility cans.

BLACK TOP AND SEAT RENEWER

FLINT.

Size	½ Pt.	1 Pt.
List per can	.90	1.62
App. wt. each, lbs.	¾	1½
Makers List	.75	1.35

A jet black finish that drys with a gloss; will not soften under the heat of the body; makes tops water-proof; for renewing the tops and seats of automobiles; in round friction top utility cans.

BLACK ASPHALTUM

Size	½ Pt.	1 Pt.	1 Qt.
List per can	.48	.78	1.20
App. wt. each, lbs.	¾	1½	2½
Makers list	.40	.65	1.00

A quick drying black varnish for use on iron work where a high gloss is desired; an exceptionally fine preservative for furnace pipes; in square cans.

All above, Imperial Measure; open stock.

TARKLENE

FLINT.

1 Pint. List per can 1.20

Makers list 1.00

A powerful solvent for grease and oil, can be used for removing the same from any surface, also for removing road tar from the fenders of automobiles; the hands can also be cleaned without the slightest injury; in round screw top cans; average weight each, 1⅛ pounds.

Open stock.

ALUMINUM PAINT

No. 1.

Nos. 2, 4, 8.

Nos.	1	2	4	8
List dozen	2.20	3.00	7.20	12.00
App. contents, Oz.	1	2	4	8
App. wt. doz., lbs.	2½	2¾	4¼	7¾

Ready Mixed.

A high grade preparation for decorative work on picture frames, furniture, steam pipes, radiators, automobile parts, etc., gives a fine finish, drys quickly, uniform high quality.

No. 1 in bottles.
Nos. 2, 4 and 8 in friction top cans.
1 dozen in a carton.

GOLD PAINT

SAPOLIN.

No. 110 x 15. List per dozen 3.60

Ready Mixed.

For all kinds of artistic and decorative gilding on any article; of lasting brilliancy; easily applied; in bottles containing approximately 1/2 ounce; average weight per carton, 1¾ pounds.
1 dozen in a display carton with brushes.

GOLD PAINT

SAPOLIN.

No. 110 x 35. List per dozen 7.80

Ready Mixed.

For all kinds of artistic and decorative gilding on articles of wood or metal; of lasting brilliancy; easily applied; in bottles containing approximately ¾ ounce with brush and handle; packed in an attractive highly polished wooden box as shown above; average weight per dozen, 3⅞ pounds.
1 dozen in a display carton.

GOLD ENAMEL

SAPOLIN.

No. 100 x 30. List per dozen 6.70
About 1 ounce when mixed; average weight per dozen, 3½ pounds.

No. 100 x 45. List per dozen 10.00
About 2 ounces when mixed; average weight per dozen, 6 pounds.

To Mix:

A perfect, washable, gilding preparation; drys quickly with a rich, smooth and lustrous finish; easily applied on any material; a bottle of powder, one of liquid, a brush and mixing dish in a carton.
1 dozen cartons in a box.

CRACK FILLER

JOHNSON'S.

1 Pound. List per can ..... .48

A crack filler in paste form for filling cracks and crevices in floors and woodwork; will give the best of results when used in conjunction with a light coat of linseed oil; in friction top cans; average weight each, 19 oz.

Open stock.

PASTE WOOD FILLER

WHEELERS.

1 Pound. List per can ..... .62

Transparent.

Used for filling the pores of open grained wood, such as oak, ash, chestnut and mahogany; will not shrink or cause pitting; forms a perfect foundation for the finish; in friction top cans; average weight each, 1⅛ pounds.

Open stock.

No. 10. JOHNSON'S.

1 Pound. List per can ..... .48

Natural Finish.

Used for filling the pores of open grained wood, preparing it for the ultimate finish; made from pure linseed oil, best Japan dryers and finely ground Metronite-Quartz; will not shrink; in friction top cans; average weight each, 1¼ pounds.

Open stock.

DRY PASTE

"STICK-FAST."

1-Pounds. List dozen packages 4.00

2-Pounds. List dozen packages 7.70

In dry powder form; made instantly into paste with cold or hot water; is white, smooth, sweet and very adhesive; will not sour, or discolor the most delicate papers; used for paperhanging and pasting of every description.

In cardboard cartons as above.

STEEL WOOL

Steel Wool is made up of thin shavings of steel. It does not harm the hands as the fine steel strands are wooled into a soft mass; used for a great many purposes where scouring, cleaning, smoothing, polishing is required; put up in attractive cartons 7 x 2¾ x 2¾ inches.

No. 0 Grade. List per doz. cartons 1.80
Used for cleaning, polishing and removing grease, etc., soot from aluminum ware, enamel, copper and other fine cooking utensils, cutlery, chafing dishes, crockery, bric-a-brac, marble ornaments, glassware, polishing brass bells, bathroom fixtures, reviving enamel, painted, varnished surfaces and removing stains from hardwood floors.

No. 1 Grade. List per dozen cartons 1.80
For removing stains, watermarks, etc., from bath-tubs, basins, refrigerators; cleaning golf clubs; removing grease, soot, burnt food from cooking utensils of glass and enamel; rubbing down varnished or painted surfaces before applying final coat.

No. 2 Grade. List per dozen cartons 1.80
Used for cleaning and scouring rough kitchen utensils, removing grease, soot, burnt food from iron pots, frying pans, griddles, etc. Cleaning golf clubs, axes, etc. Removing varnish, shellac, etc.

No. 3 Grade. List per dozen cartons 1.80
Used for removing rust and earth from gardening and farming implements; removing old paint; varnish and japan from parquet floors, boats; cleaning stone steps and marble fronts.

Average weight per dozen, 2 pounds.

1 dozen in a box.

ALUMINUM CLEANER

Abrazo. List per dozen 2.60

For Cleaning Cooking Utensils, Etc.
Cleans and Polishes in One Operation.

Put up specially for cleaning cooking utensils, particularly aluminum-ware to which it will impart a silver-like finish; consists of 6 rolls softly wooled steel wool and one piece of Abrazo soap in an attractive carton 5½ x 2¾ x 2⅜ inches; average weight per dozen, 2½ pounds.

1 dozen in a box.

LUBRICATING OIL

Household. List per dozen 1.90

A fine oil, warranted not to gum; for sewing machines, bicycles, lawn mowers and general household use; in glass bottles containing approximately 4 ounces; average weight per dozen, 7 pounds.

1 dozen in a carton.

3-IN-1.

Size	Small.	Large.	Factory.
List per dozen ...	2.50	5.10	10.00
Contents, oz.	1	3	8
App. wt. doz., lbs.	3	6½	14½
Doz. in carton	2	1	1

In Bottles.

A well-known oil that cleans, polishes, lubricates and prevents rust; will not corrode or gum; for cleaning furniture, preserving the leather goods, also for lubricating all kinds of light and delicate machinery; each bottle in a carton.

Packed as above.

3-IN-1.

Handy Cans. List per dozen 5.10
Handy size oval shaped can 3½ x 2¼ x 1⅛ inch body with short screw spout and screw cap; cannot leak; takes up little room; contains 3 ozs. of 3-in-1 oil; average weight per dozen, 3½ pounds.

1 dozen in a carton.

O-Cedar Polish

O-Cedar Polish is manufactured and guaranteed for polishing and cleaning the finest of furniture, linoleum, painted and varnished floor surfaces, motor cars and renewing any mop.

It cleans as it polishes, and also preserves the beauty and wearing qualities of the finest of surfaces. Does not contain any injurious substances.

4-Oz. bottles. List per dozen 4.80
App. weight per dozen, 9 pounds.
1 dozen in a box.

12-Oz. bottles. List per dozen 9.60
Approximate weight per dozen, 19 pounds.
1 dozen in a box.

Imperial Measure.

1-Quart Cans. List per dozen 24.00
Approximate weight per dozen, 31 pounds.
1 dozen in a box.

1/2 Gallon Cans. List per dozen 40.00
Approximate weight per dozen, 57 pounds.
1/2 dozen in a case.

1 Gallon Cans. List per dozen 56.00

Approximate weight per dozen, 114 lbs.

1/2 dozen in a case.

O-CEDAR MOPS

No. 1 Round. List per dozen 32.00

Large Size Polish Mop.

Outside diameter at top, 6¼-inches; saturated with O-Cedar polish; each mop in a lithographed can; average weight per dozen, packed, 30 pounds.
2 dozen in a case, handles separate.

No. 14 Triangular. List per doz. 32.00

Dusting Mop.

A gray cotton mop medicated for dusting purposes; outside size at top 6½ x 6¼ inches; each mop in a cardboard box; average weight per dozen, 22 pounds.
1 dozen in a case, handles separate.

O-Cedar Polish Mop

The O-Cedar Polish Mop treated with O-Cedar Polish is a labor saver, cleanser, beautifier and preserver. It's long, strong, fluffy yarn collects and holds the dust until shaken out; the strong steel centre plate keeps the mop in its original shape and the steel socket which the 54 inch handle screws into is at just the right angle to make it easy to clean those "hard-to-get-at" places.

DEALER HELPS

Window displays, show cards, circulars, dummy cartons, will be gladly supplied upon request.

MOP HANDLES

O-Cedar. List per dozen 4.80

Varnished hardwood handle 54 inches long, 7/8 inch diameter, plain threaded end; average weight per dozen, 10 pounds.
Open stock.

O-CEDAR MOPS

No. 15 Triangular. List per doz. 20.00

Small Size Polish Mop.

Outside size at top 5½ x 5 ins.; saturated with O-Cedar Polish; each mop in a triangular lithographed can; average weight per dozen, 22 pounds.

2 dozen in a case, handles separate.

No. 3 Triangular. List per doz. 32.00

Large Size Polish Mop.

Outside size at top 6½ x 6¼ inches; saturated with O-Cedar Polish; each mop in a triangular lithographed can; average weight per dozen, 30 pounds.
2 dozen in a case, handles separate.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

O-CEDAR MOPS

No. 16. Triangular. List per dozen 20.00

Dusting Top.

A gray cotton mop medicated for dusting purposes; outside size at top 5½ x 5 inches; each mop in a cardboard box; average weight per dozen, 19 pounds.

1 dozen in a case, handles separate.

LIQUID VENEER DEALS

"Little Giant" Deal. List each 12.00

Consists of the following Liquid Veneer.

1½ doz. 4 ounce size. List 7.20
½ doz. 12 ounce size. List 4.80
1/6 doz. 4 ounce size. List ..... Free

Total list cost 12.00

Packed in a substantial box; besides the two bottles supplied free there is also a supply of advertising material; average weight each, 26 pounds.

LIQUID VENEER DEALS

"Little Corker" Deal. List each 12.00

Liquid Veneer Mop Polish Deal.

Consists of the following Liquid Veneer Mop Polish:

1½ doz. 4 ounce size. List 7.20
½ doz. 12 ounce size. List 4.80
½ doz. 4 ounce size ..... Free

Total list cost 12.00

The Liquid Veneer Mop Polish is made specially for renewing dusting mops, equally good for cleaning and polishing woodwork and furniture, etc., a supply of advertising material is included in each case; average weight each, 26 pounds.

LIQUID VENEER

Open Stock.

Size.	App. wt. doz.	List dozen
4-oz.	9 lbs.	4.80
12-oz.	19 lbs.	9.60

Well known as a superior aid in dusting; cleans, renews and polishes furniture, woodwork, floors and automobiles, etc.; not a varnish but a surface food; each bottle in a carton.

1 dozen in a carton.

DEALS

"Big Snap" Deal. List each 28.80

Liquid Veneer Mop Polish Deal.

Consists of the following Liquid Veneer Mop Polish:—

2 doz. 4-oz. size. List	9.60
2 doz. 12-oz. size. List	19.20
2 doz. 4-oz. size	Free.
Total list cost	28.80

The "Liquid Veneer" mop polish is made specially for renewing dusting mops; equally good for cleaning and polishing woodwork and furniture, etc., a supply of advertising material is included in each case; average weight each lbs.

"Dandy" Deal. List each 33.60

Consists of the following Liquid Veneer:—

2 doz. 12-oz. size. List	19.20
3 doz. 4-oz. size. List	14.40
½ doz. 4-oz. size	Free.
1/12 doz. 32-oz. size	Free.
Total list cost	33.60

This assortment of the better selling sizes of "Liquid Veneer" is packed in a substantial box and besides the seven bottles supplied free of charge there is a supply of advertising material; average weight each, 84 pounds.

LIQUID VENEER MOPS

The Mop With the Pull-off Swab.

"Victory." List per dozen 20.00

Small Size.

Full yarn swab, lightly treated with liquid veneer, easily removed for washing; heavy steel rod, triangular frame, shaped to securely hold the swab; hinged handle socket, adjustable by thumb screw; 54 inch hardwood handle; each mop in a lithographed can; average weight per dozen, 30 pounds.

Handles separate.

"Champion." List per dozen 32.00

Large Size.

Full yarn swab, lightly treated with liquid veneer, easily removed for washing; heavy steel rod, triangular frame, shaped to securely hold the swab; hinged handle socket, adjustable by thumb screw; 54 inch hardwood handle; each mop in a lithographed can; average weight per dozen, 36 pounds.

Handles separate.

LIQUID VENEER MOP SWABS

Dry. List per dozen 21.00

White.

Full yarn swab, chemically treated for dusting purposes; readily slipped on the frame of the "treated" liquid veneer mop, giving a dry and a treated mop with the one frame; strongly bound and sewn; length over all, 22 inches; average weight per dozen, 7 pounds.

Each in a carton.

MOP HANDLES

Liquid Veneer. List per dozen 5.00

Varnished hardwood handle 54 inches long, 13/16 inch diameter, slotted end; average weight per dozen, 9 pounds.

Open stock.

FURNITURE POLISH

"CROSS."

Size.	App. wt. doz.	List dozen
4-oz.	8 lbs.	4.20
12-oz.	19 lbs.	8.30

French Furniture Polish.

A safe and efficient polish possessing wonderful cleaning properties; cleans, polishes and drys in one operation; gives a clear lustrous finish; will not cloud; non-injurious; in glass bottles, each in a carton.

4 ounce 1 dozen in a carton.

12 ounce 2 dozen in a case.

HIGH LUSTRE FINISH.

Size	8-Oz.	16-Oz.	32-Oz.
List dozen	8.00	16.00	24.00
App. wt. doz., lbs.	14	29	36

A high grade liquid preparation for furniture and automobiles; cleans, restores the finish and leaves no oily surface to gather dust, etc.; brings the surface back to its original finish in short time; for everything varnished or enamelled.

1 dozen in a carton.

SILVER POLISH

"SILVA PUTS."

No.	Size.	App. wt. doz.	List dozen.
1	4-oz.	6¾ lbs.	3.10
2	8-oz.	14¼ lbs.	5.20

Paste.

A white sweet scented paste specially prepared for solid and plated silver or gold and fine glass ware; gives a splendid finish; in screw top clear glass jars.

Open stock.

SILVO

Size 3. List per dozen **2.90**

Unequalled for cleaning articles of solid or plated silver and gold, cut glass, etc.; in liquid form, gives a brilliant and lasting polish; contains no injurious chemicals; in screw top, sprinkler tin cans, containing about 2 oz.; average weight per dozen, 2¼ pounds.

1 dozen in a box.

SILVO.

Size 6. List per dozen **4.80**

Unequalled for cleaning articles of solid or plated silver and gold, cut glass, etc.; in liquid form, gives a brilliant and lasting polish; contains no injurious chemicals; in screw top sprinkler cans containing about 4 oz.; average weight per dozen, 6 pounds.

1 dozen in a box.

SILVER POLISH

CROSS.

4 Oz. List per do en **5.00**

An excellent preparation in liquid form for cleaning articles of silver, etc., quickly imparts a brilliant finish; will not scratch the brightest surfaces; non-inflammable; in glass bottles, each in a carton; average weight per dozen, 8 lbs.

2 dozen in a carton.

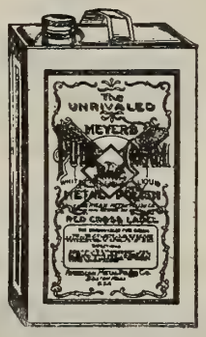
METAL POLISH

PUTS CREAM.

No.	1	2	3	4
List per dozen	3.00	5.10	9.10	15.20
Contents, Oz.	4	8	16	32
App. wt. doz., Lbs.	3¾	7½	13½	24

A white, creamy liquid for cleaning and polishing brass, copper and metals of all kinds; will not corrode; contains no injurious ingredients; in square screw top cans.

Open stock.



PUTS CREAM.

No.	5	6
List per dozen	25.40	45.60
Contents, Oz.	64	128
App. wt. doz., Lbs.	52	100

A white, creamy liquid for cleaning and polishing brass, copper and metals of all kinds; will not corrode; contains no injurious ingredients; in square screw top cans.

Open stock.

METAL POLISH

"BON TON."

Size, Pint	1/4	1/2
List dozen	2.30	4.00
App. wt. doz., lbs.	4½	7½

Imperial Measure.

An instantaneous metal polisher, for cleaning brass, copper and metals of all kinds; in liquid form, contains no grit, acids or injurious chemicals; in screw top tin cans; packed as above.

3 dozen in a case.

"BON TON."

1 Pint. List per dozen **6.00**

Imperial Measure.

An instantaneous metal polisher, for cleaning brass, copper and metals of all kinds; in liquid form, contains no grit, acids or injurious chemicals; in screw top tin cans; average weight per dozen, 16 pounds.

2 dozen in a case.

BRASSO.

No.	3	6	12	24
List per dozen	2.90	4.80	9.60	22.00
Contents, Oz.	3	6	12	40
App. wt. doz., lbs.	3	7	14	36
Doz. in a case	2	1	1	¼

For polishing brass, copper, tin, steel and all other metal; imparts a lasting and brilliant finish; in liquid form, contains no injurious chemicals; in screw top, sprinkler cans.

Packed as above.

FLOOR WAX OR POLISHING WAX

CHAN.

1/2 lb. Tins. List per dozen 6.40

1 lb. Tins. List per dozen 12.00

A polish treatment in paste form for hardwood floors and furniture, imparts a smooth hard surface which withstands the wear and tear of constant use, spreads evenly and is guaranteed not to crumble; dust and dirt will not stick; a one pound can will polish over 1,000 square feet of floor, in attractively lithographed round tins with friction top.

Open stock.

FLOOR WAX OR POLISHING WAX

POLIFLOR.

Size.	Small.	Medium.	Large.
List per doz.....	2.60	4.50	11.00
Size Tin, ins.	2¾x1	4⅛x1¼	4x2¾
App. wt. doz., lbs.	2¼	5	13

A superior polishing wax made of the finest ingredients, antiseptic and preserving for floors, furniture, Pianos, tiled floors, marble, and motor bodies, etc., dries quickly and hard; gives a brilliant lustre that lasts and leaves no odor; in round lithographed tins with friction top.

Open stock.

FLOOR WAX
or
Polishing Wax.

"C. & B."

1-Lb. Tins. List each ..... .96

An excellent wax in paste form for finishing floors, interior wood, furniture, etc., easily applied, imparts a fine polish; one pound will cover about 350 square feet; in attractively lithographed round tins with friction top; average weight each, 1¼ pounds.

27 in a carton.

JOHNSON'S PASTE WAX.

5 1/2 Oz. List per tin ..... .67

Handy Size.

A complete finish and polish in paste form; imparts a hard, dry, durable polish which is impervious to water, etc., for all floors including linoleum, tile, marble, wood, etc.; in round friction top tins 1⅝ inches deep; average weight each, 9 ounces.

Open stock.

JOHNSON'S PASTE WAX.

Size.	No. in case.	List per tin.
1 lb.	100	1.20
2 lb.	50	2.40
4 lb.	25	4.20

A prepared wax in paste form; imparts a hard dry and durable polish which is impervious to water, etc., preserves and brings out the natural beauty of the wood; for polishing floors of all kinds, wood, linoleum, tiles, etc.; in round friction top tins.

Packed as above.

FLOOR WAX
or
Polishing Wax.

JOHNSON'S LIQUID WAX.

Size	8-oz.	16-oz.	18-oz.
List each	.67	1.14	2.00
Av. wt. each, lbs.	1	1½	2⅞
No in a case	96	48	24

Screw Top Glass Jars.

The same as Johnson's paste wax, except that it is a liquid; it is an ideal furniture polish and most satisfactory for polishing automobiles; impervious to water.

In cases as above.

JOHNSON'S POWDERED WAX.

Size.	Net wt.	List per tin.
Small	4 oz.	.67
Medium	7 oz.	.94

Sifter Top Tins.

Especially prepared for use on dancing floors; is of exactly the right consistency with just enough "slip"; gives equally good results on all floors, wood, cement, tile, marble, paint, etc.; the medium size tin contains sufficient for 5,000 square feet; in attractively lithographed tins.

Open stock.

FLOOR WAXERS

B. B. Handy. List each 2.80

4 1/2 Pound.

Used for applying wax to the floor quickly and without trouble; aluminum painted, cast iron base 7¾ x 4¾ inches, cork bottom with canvas wax holder secured by coil spring; the wax is placed on the cork surface over which the cloth is adjusted and clamped down with the coil spring; 46-inch varnished hardwood handle, reversible.

Open stock.

FLOOR WAXING BRUSHES

JOHNSON'S.

7-Lb. List each 5.00

With 1 Lb. of Johnson's Wax.

Weighted base, painted aluminum, 9 x 4¼ inches, protected with felt all the way around; fine quality stiff fibre bristles; reversible, varnished hardwood handle 48 inches long with nickel plated steel ferrule and wire bail.

1/2 dozen in a case.

PERFECT.

15-Lb. List each 4.40

20-Lb. List each 5.20

Iron Weighted.

Aluminum painted base 9 x 6¼ inches well protected at the ends with heavy felt bumpers; extra quality stiff fibre bristles; aluminum painted steel fork securely rivetted on both sides of top; grooves in the top permit the fork to lie flush with the top when polishing under low furniture; varnished heavy hardwood handle 50 inches long.

Open stock.

B. B. Combination. List each 6.80

15-Pound.

Combined Waxer and Polisher.

Aluminum painted, weighted base, well protected by heavy felt bumpers, 9½ x 6 inches; fine quality stiff bristles for polishing on one side, cork surface on reverse side with cloth and coil-spring clamp, for use in applying wax to the floor; aluminum painted steel fork on which the base revolves; varnished heavy hardwood handle 50 inches long.

Open stock.

FLAT VARNISH BRUSHES

No. 246. "B. D."

Width, Inches	1	1½
List dozen	1.18	1.72
Bristles, inches	1⅝	1¾
App. wt. dozen, lbs.	½	¾

Black Chinese bristles, set in cement; tin ferrule; plain flat handle; for paste, lacquer, etc.

1 dozen in a box.

No. 250. "Crow."

Width, inches	1	1½	2	2½
List dozen	1.36	1.98	2.92	3.92
Bristles, inches	1¾	1 13/16	1⅞	1⅞
App. wt. doz., lbs.	5/8	7/8	1¼	1½

Chiselled, black bristles, set in cement; tin ferrule; yellow stained flat handle.

1 dozen in a box.

No. 252 "Raven."

Width, inches.	Bristles, inches.	App. wt. doz. lbs.	List dozen
1	1 3/4	1/2	1.58
1 1/2	1 13/16	1	2.34
2	2 1/16	1 1/4	3.66
2 1/2	2 1/16	1 5/8	4.90
3	2 1/16	2	6.22

Chiselled, black bristles, set in cement; tin ferrule; yellow stained flat handle.

1 dozen in a box.

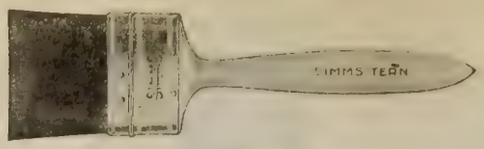
No. 255 "Tycoon."

Width, inches	1	1½	2	2½
List dozen	2.26	3.60	5.64	7 20
Bristles, inches	1¾	2	2¼	2¼
App. wt. doz., lbs.	7/8	1¼	1¾	2¼

Chiselled, black Chinese bristles, set in cement; tin ferrule; yellow stained flat handle.

1 dozen in a box.

FLAT VARNISH BRUSHES



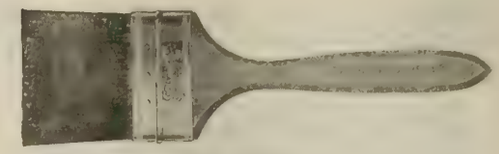
No. 314B—Tern.

Width, inches	1½	2	2½
List dozen	4.28	5.76	6.98
Bristles, inches	1 7/8	2 1/16	2 1/16
App. wt. doz., lbs.	1⅛	1½	2

Set in Rubber.

Chiselled, black Chinese bristles, set in rubber; nickel plated metal ferrule; plain white wood round handle.

1 dozen in a box.



No. 0312A "Redbreast."

Width, inches.	Bristles, inches.	App. wt. doz. lbs.	List dozen
1	1 7/8	3/4	2.70
1 1/2	1 7/8	1	3.52
2	1 7/8	1 3/8	4.28
2 1/2	2 1/16	1 3/4	5.78
3	2 1/16	2 1/4	6.76

Set in Rubber.

Chiselled, black Chinese bristles, set in rubber, nickel plated metal ferrule; dark red stained handle.

1 dozen in a box.

No. 316—"Ruff."

Width, inches	2	2½
List dozen	7.00	8.80
Bristles, inches	2¼	2¼
App. wt. doz., lbs.	2	2¼

Set in Rubber.

Chiselled, black Chinese bristles, set in rubber; nickel plated metal ferrule; red stained round handle.

1 dozen in a box.

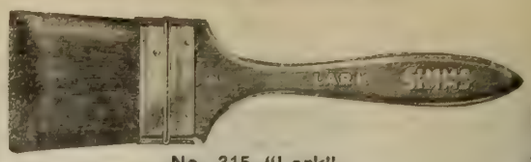
No. 310X—"Onyx."

Width, inches	1	1½
List dozen	3.60	5.18
Bristles, inches	1 13/16	1 15/16
App. wt. doz., lbs.	3/4	1

Chiselled best quality black Chinese bristles, set in cement; nickel plated metal ferrule; polished cherry finish, beavertail handle.

1 dozen in a box.

FLAT VARNISH BRUSHES



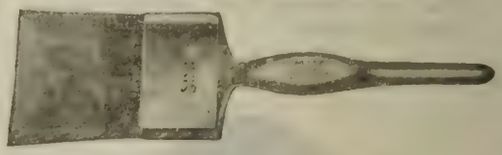
No. 315 "Lark".

Width, inches.	Bristles, inches.	App. wt. doz. lbs.	List dozen
1	1 7/8	7/8	4.50
1 1/2	1 7/8	1 1/4	5.32
2	2 1/16	1 3/4	7.48
2 1/2	2 1/16	2 1/4	9.70
3	2 1/4	3	13.50

Set in Rubber.

Very finest grade black Chinese bristles chiselled, set in rubber; nickel plated metal ferrule; green polished flat handle; can be used in anything without shedding the bristles; packed in individual cartons.

1 dozen in a box.



No. 326—"XX Black Coach."

Width, inches	2	2½
List dozen	15.54	22.96
Bristles, inches	2⅜	2⅝
App. wt. doz., lbs.	2¾	3

Set in Rubber.

Chiselled, black Chinese bristles, highest grade, specially treated; square cornered nickel plated metal ferrule; polished cherry handle.

1 dozen in a box.

No. 328 Shellac.

Width, inches	1	1½	2	2½
List dozen	7.36	11.26	15.20	21.60
Bristles, inches	2⅛	2⅜	2 9/16	2¾
App. wt. doz., lbs.	1½	2¼	3	4

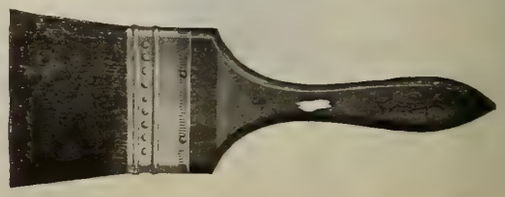
Set in Rubber.

Highest grade black Chinese bristles, chiselled, set in rubber; nickel plated metal ferrule; plain hardwood handle; a high grade extra heavy brush for use in shellac and other spirit varnishes.

1/2 dozen in a box.

PAINTERS WALL BRUSHES

For general painting of larger surfaces.



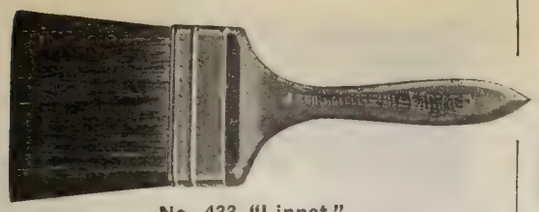
No. 425 "Crow."

Width, inches	2½	3	3½	4
List dozen	5.38	6.40	8.92	10.80
Bristles, inches	2⅛	2⅛	2 5/16	2 5/16
App. wt. doz., lbs.	2¾	3	3¼	4½

Short black bristles, set in cement; tin ferrule; yellow stained handle.

1/2 dozen in a box.

PAINTERS WALL BRUSHES



No. 433 "Linnet."

Width, inches ..	2½	3	3½	4
List dozen	8.56	10.80	13.50	17.10
Bristles, inches.	2 11/16	2⅞	3 1/16	3¼
App. wt. doz., lbs.	3	4	4¾	5¼

Black outside and black mixed middle bristles, set in cement; nickel plated metal ferrule; yellow stained handle.

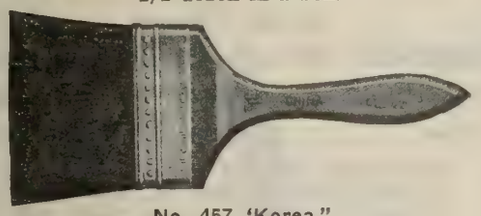
1/2 dozen in a box.

No. 431 "China."

Width, inches ..	2½	3	3½	4
List dozen	8.34	11.04	13.50	18.00
Bristles, inches ..	2 7/16	2⅝	2 3/16	3
App. wt. doz., lbs.	3	3¾	4½	5

Black Chinese bristles, set in cement; nickel plated metal ferrule; red polished handle; a good selling medium priced brush.

1/2 dozen in a box.



No. 457 'Korea."

Width, inches	3	3½
List dozen	14.40	19.36
Bristles, inches	2⅞	3 1/16
App. wt. doz., lbs.	3½	5

Good quality medium black Chinese bristles, set in cement; nickel plated metal ferrule; yellow polished handle; a good popular priced brush.

1/2 dozen in a box.

No. 513 "Teal."

Width, inches ..	2½	3	3½	4
List dozen	11.50	14.86	19.60	25.66
Bristles, inches .	2½	2 11/16	2 7/8	3 1/16
App. wt. doz., lbs.	3¼	4	4¾	5½

Set in Rubber.

Best quality black Chinese bristles, set in rubber; nickel plated metal ferrules; yellow polished handles.

1/2 dozen in a box.

VARNISH BRUSH ASSORTMENTS

"SKYLARK."

No. 313B. Assortment. List each 7.90

Contains 12 Brushes.

Two 1-inch, four 1½-inch, three 2-inch, two 2½-inch, one 3-inch.

Set in Rubber.

Chiselled, black Chinese bristles; nickel plated metal ferrules; yellow polished handles; assorted 1 dozen on an attractive display card; average weight each, 3 pounds.

Each assortment in a carton.

No. 1 Assortment. List each 17.10

Contains 66 Brushes.

1 dozen Varnish, No. 250 "Crow" 1 inch.
2 dozen Varnish, No. 250 "Crow" 1½ inch.
1 dozen Varnish, No. 250 "Crow" 2 inch.
1 dozen Varnish, No. 267 "China" 2 inch.
½ dozen Varnish, No. 267 "China" 2½ inch.

A good small size assortment of flat varnish brushes; packed in an attractive sectional cardboard display box 17¾ inches long, 9¾ inches high, 3 inches deep; each size of brush in a separate compartment; average weight each, 6¾ pounds.

Each assortment paper wrapped.

No. 2 Assortment. List each 24.00

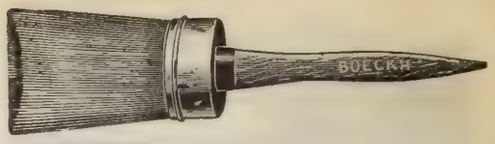
Contains 62 Brushes.

2 dozen Varnish, No. 250 "Crow" 1½ inch.
1 dozen Varnish, No. 250 "Crow" 2 inch.
1 dozen Varnish, No. 267 "China" 2½ inch.
2/3 dozen Wall, No. 429 "Zulu" 3 inch.
½ dozen Wall, No. 429 "Zulu" 3½ inch.

A good selling assortment of flat varnish and wall brushes; packed in a sectional cardboard display box 22½ inches long, 10¼ inches high, 3¾ inches deep, each size of brush in a separate compartment; average weight each, 9½ pounds.

Each assortment paper wrapped.

OVAL PAINT BRUSHES



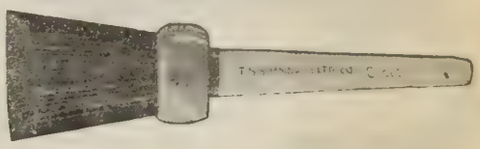
No. 16 "Columbia."

Size	1/0	2/0	3/0
List dozen	18.00	22.80	31.80
Width, inches	1⅝	1⅝	1¾
Bristles, inches	2⅞	3⅛	3⅜
App. wt. doz., lbs.	2½	3	3½

Steel Grip; Set in Rubber.

Best quality black China bristles, chiselled, nickel plated metal ferrule; light yellow varnished handle with red stripe.

1 dozen in a box.



No. 219—"Avocet."

Nos.	Diam. Ins.	Bristles, Inches.	App. wt. doz. lbs.	List dozen
2	1¾	2 9/16	2¼	13.50
3	1⅞	1⅞	2½	16.44
4	2 1/16	3	2¾	20.26
5	2¼	3⅜	3¼	25.20
6	2⅜	3 5/16	3¾	30.16

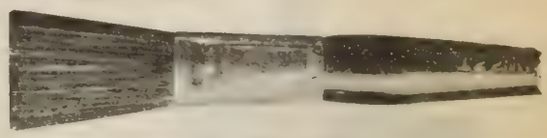
Set in Rubber.

Chiselled, best black Chinese bristles; compressed, seamless, nickel plated steel ferrule; varnished flat tapered handle.

1 dozen in a box.

SASH TOOLS

For painting window sash, moulding and similar work.



No. 392—Onyx.

Size	1	2	3	4
List dozen	2.16	2.40	2.62	2.98
Width, inches	1/2	9/16	5/8	3/4
Bristles, inches ...	1½	1 9/16	1⅝	1 11/16
App. wt. doz., ozs...	6	8	9	12

Size	5	6	7
List dozen	3.84	4.24	5.40
Width, inches	3/4	7/8	13/16
Bristles, inches	3/4	7/8	13/16
App. wt. doz., ozs.	14	17	20

Chiselled, best black Chinese bristles, set in cement; full centre; nickel plated metal ferrule; polished cherry red round tapered handle.

1 dozen in a box.

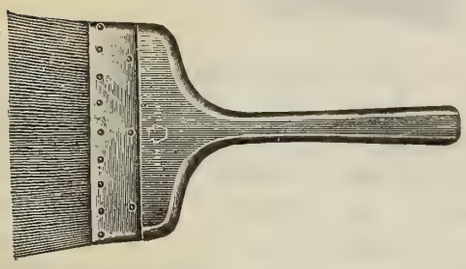
WHITEWASH BRUSHES

POLAR.

Size (width)	App. wt. doz.	List dozen
7-inch	7½ lbs.	5.30
8-inch	8¼ lbs.	5.80

White fibre bristles 2⅝ inches long, securely fastened; tin bound; plain wood handle; length over all, 13½ inches.

1/2 dozen in a bundle.



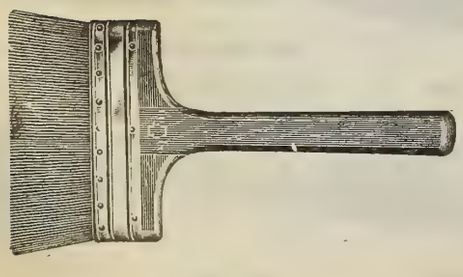
ARCTIC.

Size (width)	App. wt. doz.	List dozen
7-inch	7 lbs.	6.00
8-inch	8 lbs.	6.50

Securely fastened gray fibre bristles, 2⅝ inches long; tin bound; plain wood handle; length over all, 13½ inches.

1/2 dozen in a bundle.

KALSOMINE BRUSHES



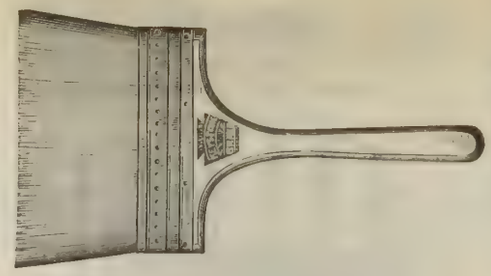
KRACKER.

7-inch (width). List per dozen 6.00

White fibre bristles, 2¾ inches long; brass lacquered metal bound; plain wood handle; bristles are securely fastened without pitch or cement; length over all, 14 inches; average weight per dozen, 7½ pounds.

1/2 dozen in a bundle.

KALSOMINE BRUSHES

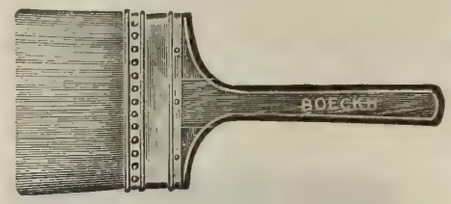


No. 615—"Cyclo."

7-Inch (width). List per dozen 6.76

White Tampico bristles, 2⅞ inches long, secured by special process which prevents shedding; brass lacquered tin ferrule; yellow stained handle; length over 13 inches; average weight per dozen, 9 pounds.

1/2 dozen in a bundle.

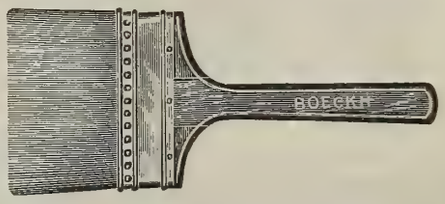


No. 101. Auto.

8-Inch (width). List per dozen 10.20

All white bristles, 2¾ inches long; cement set; metal bound; plain wood handle; width of head 7½ inches; length over all, 13 inches; average weight per dozen, 8½ pounds.

1/2 dozen in a box.



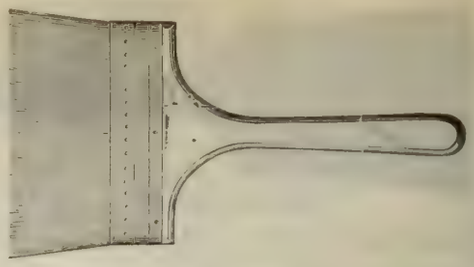
"CROWN."

No. 2/0—7. List per dozen 11.40

White mixed bristles 3⅛ inches long; metal ferrule; yellow stained handle; length over all, 13¾ inches, width 6½ inches; average weight per dozen, 9¼ pounds.

1/2 dozen in a box.

KALSOMINE BRUSHES



No. 622. "Heron."

Size (width)	App. wt. doz.	List dozen
7-inch	10½ lbs.	12.16
8-inch	11¼ lbs.	13.50

Soft white Tampico bristles, 4 inches long, secured by special process which prevents shedding; nickle plated metal ferrule; natural polished handle; length over all, 14½ inches.

1/2 dozen in a bundle.

No. 624. "Finch."

Size (width)	App. wt. doz.	List dozen
7-inch	11½ lbs.	13.50
8-inch	12¼ lbs.	14.86

Extra white Tampico outside, soft white Tampico middle bristles, 3¾ inches long, secured by special process which prevents shedding; nickle plated metal ferrule; red polished handle; length over all, 14 inches.

1/2 dozen in a bundle.

MURESCO BRUSHES

"TERN."

Size (width)	App. wt. doz.	List dozen
5-inch	5¼ lbs.	15.30
6-inch	6 lbs.	18.90

Set in Rubber.

Black chinese bristles, 2¾ inches long, set in rubber; nickle plated metal ferrule; natural polished handle; length over all, 11 inches.

1/2 dozen in a box.

KALSOMINE BRUSHES

No. 630 Gem.

7 Inch (width). List per dozen 30.40

Set in Pitch.

White bristles outside; white Tampico middle; length 4⅜ inches, set in pitch; lacquered tin ferrule; yellow stained handle; length over all, 14½ inches; average weight per dozen, 11 pounds.

1/2 dozen in a box.

No. 636 Raven.

7 Inch (width). List per dozen 33.20

Set in Cement.

Black Chinese Bristles and horse hair mixed; length 3 1/16 inches; set in cement; nickel plated ferrules; natural polished handle; length over all, 13½ inches, 10 pounds.

1/2 dozen in a box.

No. 639 Osprey.

7 Inch (width). List per dozen 53.60

Set in Cement.

Best black bristles outside; mixed with horsehair in the middle; length, 3⅝ ins., set in cement; nickel plated metal ferrule; natural polished handle; length over all, 14½ inches; weight per dozen, 12 pounds.

1/2 dozen in a box.

PAPER HANGERS SMOOTHING BRUSHES

LEADER.

No. 100 x 12. List per dozen 5.86

All white fibre bristles 2⅛ inches long, 2 rows; wire stapled in solid block; plain hardwood back 12 inches long, 2⅜ inches deep; width over all, 4½ inches; average weight per dozen, 6 pounds.

1/2 dozen in a package.

No. 101 Grey Leader.

Size, inches	10	12
List dozen	5.18	6.52
Bristles, inches	2⅛	2⅛
App. wt. doz., lbs.	5¼	6

Wire Stapled in Solid Back.

Grey fibre bristles, two rows; plain hardwood back 2¼ inches deep; depth over all 4⅜ inches.

1/2 dozen in a package.

PAINTERS DUSTERS

HUB.

No. 60 x 4. List per dozen 15.10

Black and grey bristles 3¼ inches long, set in pitch; diameter of block 2¼ inches; yellow varnished hardwood handle; length over all, 11¾ inches; average weight per dozen, 4 pounds.

1/2 dozen in a package.

SCRUB BRUSHES

No. 464. List per dozen 2.70

Bass Fibre Bristles.

4 rows of 1 inch tufts; square end, plain, solid hardwood block 8½ x 2½ inches; average weight per dozen, 4 pounds.

1 dozen in a parcel.

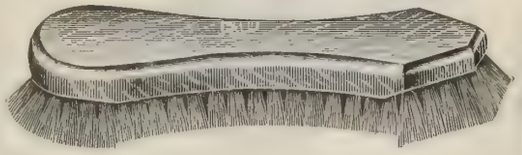
SCRUB BRUSHES

No. 88. List per dozen 4.00

Bass Fibre Bristles.

5 rows of 1 inch bristles with 1⅜ inch double wings; polished solid hardwood block, grip pattern, 9¾ x 3 inches; average weight per dozen, 6 pounds.

1/2 dozen in a package.

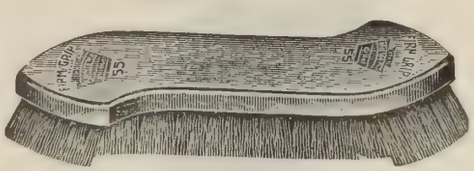


No. 298. List per dozen 4.50

Bass Bristles.

1 inch tufts with full wing and tail; 5 rows; shaped and polished solid hardwood block, 10¾ x 3¼ inches; average weight per dozen, 9 pounds.

1/2 dozen in a package.



No. 1148 x 47. List per dozen 4.60

Indian Fibre Bristles.

4 rows of 1 inch tufts with 1¼ inch double wings; polished solid hardwood block; grip pattern, 9¼ x 2¾ inches; average weight per dozen 5¼ pounds.

1/2 dozen in a package.

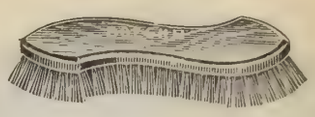
No. 201 x 7 List per dozen 6.00

Union Fibre Bristles.

4 rows of 1 inch tufts with 1¼ inch double wings; varnished solid hardwood block, grip pattern, 9½ x 2½ inches; average weight per dozen 6 pounds.

1/2 dozen in a package.

SCRUB BRUSHES



No. 201 x 5. List per dozen 6.00

White Fibre Bristles.

4 rows of 1 inch tufts with 1¼ inch double wings; varnished solid hardwood block, grip pattern 9½ x 2½ inches; average weight per dozen 6 pounds.

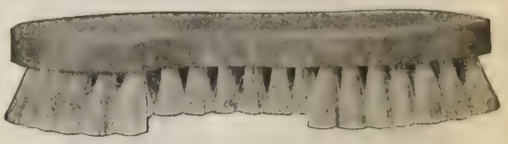
1/2 dozen in a package.

No. 2022. List per dozen 6.00

Union Fibre Bristles.

1 inch tufts with 1½ inch wing and tail; sharp pointed polished hardwood block 10 x 2¾ inches; average weight per dozen 6¾ pounds.

1/2 dozen in a package.

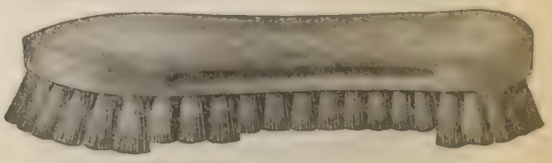


No. 1148 x 151. List per dozen 6.08

Union Fibre Bristles.

4 rows of 1 inch tufts with 1¼ inch double wings; polished solid hardwood block, grip pattern, 9¼ x 2¾ inches; average weight per dozen, 6 pounds.

1/2 dozen in a parcel.



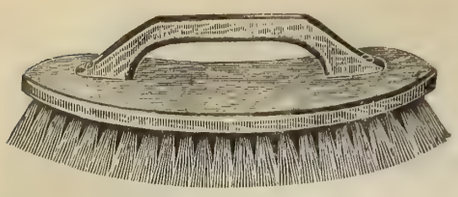
No. 1164 x 80. List per dozen 7.66

Union Fibre Bristles.

5 rows of 1 inch tufts with full wing and tail; shaped and polished solid hardwood block, 10½ x 2⅞ inches; average weight per dozen, 7¼ pounds.

1/2 dozen in a package.

STOVE BRUSHES

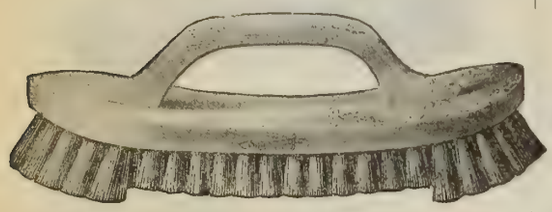


No. 1230 x 12. List per dozen 5.18

Black Fibre Bristles.

5 rows of 1⅛ inch tufts; curved back, plain hardwood block, 9½ x 2¼ inches; screwed on handle; average weight per dozen, 5¼ pounds.

1/2 dozen in a box.



No. 1228 x 22. List per dozen 5.40

Black Fibre Bristles.

5 rows of ⅞ inch tufts with 1¼ inch wings; curved back, plain hardwood block, 9¾ x 2½ inches; screwed on handle; average weight per dozen, 6 pounds.

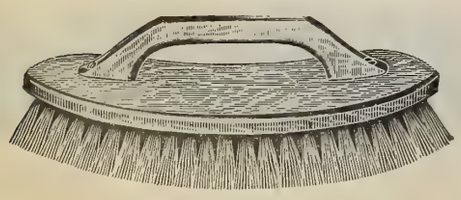
1/2 dozen in a box.

No. 258. List per dozen 6.50

Black Fibre Bristles.

5 rows of ⅞ inch tufts with 1⅛ inch wings; curved back, varnished hardwood block 10 x 2¾ inches; screwed-on handle; average weight per dozen, 6 pounds.

1/2 dozen in a box.



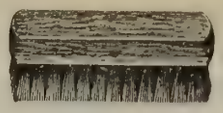
No. 261. List per dozen 6.60

Black Fibre Bristles.

6 rows of 1¼ inch tufts; curved back, varnished hardwood block, 9½ x 2¾ inches; screwed on handle; average weight per dozen, 5¼ pounds.

1/2 dozen in a box.

NAIL BRUSHES or Hand Brushes.



No. 1042. List per dozen 8.00

Staple fastened white fibre tufts, 3/4 inches long, 4 rows; plain hardwood block, 4¼ x 1⅜ inches; average weight per dozen, 1 pound.

1 dozen in a parcel.

SHOE BRUSHES

HANDLED.

No. 249. List per dozen 4.80

Black Fibre Bristles.

5 rows of ⅞ inch stapled tufts with 2 inch dauber; varnished hardwood block, 6¼ x 2¼ ins.; plain screwed-on handle; average weight per dozen, 4½ pounds.

1/2 dozen in a box.

HANDLED.

No. 217 x 4. List per dozen 5.50

Black Fibre Bristles.

4 rows of ⅞ inch stapled tufts with 2 inch dauber; plain hardwood block, 6½ x 2¼ inches; plain screwed-on handle; average weight per dozen, 5¼ pounds.

1/2 dozen in a box.

HANDLED.

No. 232. List per dozen 5.80

All Black Fibre Bristles.

6 rows of ⅞ inch stapled tufts with 2 inch dauber; varnished hardwood block, 6¾ x 2⅜ inches; red varnished screwed-on handle; average weight per dozen, 4½ pounds.

1/2 dozen in a box.

STOVE DAUBERS

No. 216 x 0. List per dozen 2.40

White Fibre Bristles.

Wire stapled tufts 1¼ inches long; plain hardwood block (2¼ inches diameter) and handle (5 inches long); average weight per dozen, 1 pound.

Open stock.

SHOE DAUBERS

METAL.

No. XXX. List per dozen 3.70

Black Bristles.

Rivetted-in bristles 1⅜ inches long; self color half round iron handle, head and mud scraper; diameter of head 1¾ ins.; length over all, 5¾ inches; average weight per dozen, 2 pounds.

1 dozen in a box.

DUSTING BRUSHES

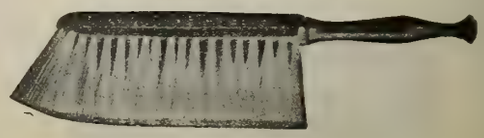
"C. M."

No. 1335 x 2. List per dozen 8.10

8-Inch Block.

White fibre outside, grey fibre middle bristles; wire stapled tufts 2⅝ inches long; red stained hardwood block and handle; 13½ inches long over all; average weight per dozen, 5 pounds.

1/2 dozen in a box.



TYCOON.

No. 1362. List per dozen 11.26

8-Inch Block.

Staple fastened, black hair tufts, 2⅝ inches long; polished red hardwood block and handle; 13½ inches long over all; average weight per dozen, 5¾ pounds.

1/2 dozen in a box.

FLOOR BRUSHES
or
Hair Brooms.

AJAX.

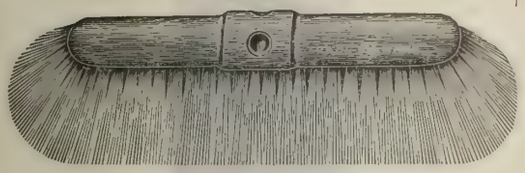
No.	676	677
List per dozen	27.60	32.00
Bristles, inches	2⅝	2¾
Block, inches	12	14
App. wt. doz., lbs.	15	17

Malleable Iron Threaded Handles.

All black outside and grey centre bristles, 7 rows; polished hardwood back, threaded both sides; handles 52 inches long, 9/16 inches diameter, plain polish finish with malleable iron thread.

1/4 dozen in a box.

Handles separate.



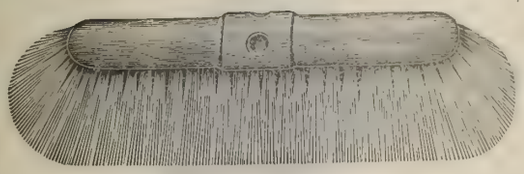
REGINA.

No. 844. List per dozen 44.20

Fine quality black bristles 2¾ inches long, 6 rows; hardwood back 14 inches long threaded both sides; handle 52 inches long, 9/16 inches diameter, red finish with malleable iron thread; average weight per dozen, 16 pounds.

1/4 dozen in a box.

Handles separate.



KENORA.

No. 824. List per dozen 53.60

Black China bristles 2¾ inches long, 5 rows; set in pitch; hardwood back 14½ inches long; plain polish finish; threaded on both sides; handle 52 inches long, 9/16 inches diameter with malleable iron thread; average weight per dozen, 16 pounds.

1/4 dozen in a box.

Handles separate.

HOUSE BROOMS
or
Carpet Brooms.

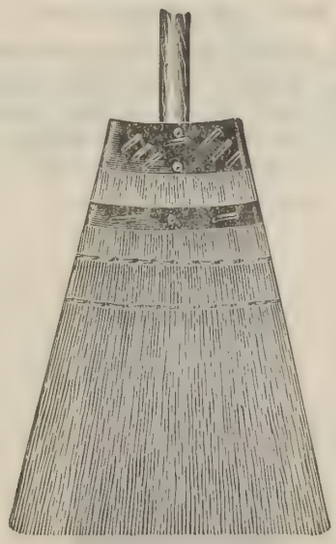
No. 5 Standard. List per dozen 16.00

4-String.

Broom corn body, 14½ inches long, 11 inches wide; locked stitched binding; wire bound top; tin ferrule; varnished, smooth handle 38 inches long; average weight per dozen, 24 pounds.

1 dozen in a bundle.

WAREHOUSE BROOMS



No. 2503. List per dozen 17.30

All Corn, Metal Cased.

30-31 pounds; black japanned metal bands; two strings; all corn body 17 ins. long, 12 inches wide; plain hardwood handle 36 inches long; for heavy sweeping where an all corn broom is required; average weight per dozen, 32 pounds.

1 dozen in a bundle.

WAREHOUSE BROOMS

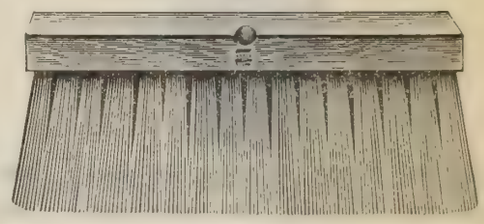
No. 2514. List per dozen 20.60

Mixed Corn and Bamboo, Metal Cased.

35-36 pounds; red enamelled metal bands; two strings; mixed body (as above), 17 inches long, 13 inches wide; plain heavy hardwood handle 36 inches long; for railway, factory and warehouse purposes; average weight per dozen, 39 pounds.

1 dozen in a box.

STABLE BROOMS
or
Street Brooms.



Nos.	1403	1404	1405
Length of block, ins.	12	13	14
App. wt. doz., lbs.	37	40	46

For prices see page 235.

With Handle.

Genuine basswood fibre; steel fastened in hardwood blocks 3½ inches wide, 1¾ inches thick; smooth turned handle 54 inches long, 1 1/16 inch diameter.

Open stock.

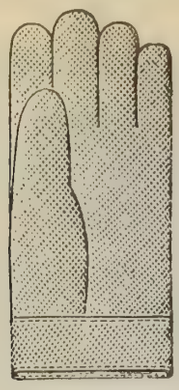
WINDOW CLEANERS

Length.	App. wt. doz.	List dozen.
10 inch	5½ lbs.	4.30
12 inch	6 lbs.	4.80
14 inch	6½ lbs.	5.00

Pure gum rubber (double) scraper; galvanized steel head; japanned sheet steel handle socket, 5¼ inches long; no handle.

1/12 dozen in a carton.

COTTON GLOVES



No. 115. List per dozen pairs 2.50

Men's Size.

White cotton canvas; 9½ inches long over all; reversible; fleece lined; 1½ inch cuff; well stitched; all seams inside sewn; average weight per dozen, 17 oz.

1 dozen pairs in a bundle.

JERSEY GLOVES

No. 1174. Children's. List dozen pairs ... 3.80

No. 1175. Women's. List dozen pairs ... 4.00

Grey Color.

Made of best grade, 8½ ounce Jersey cloth; fleece lined; double knit wrist; carefully sewn; warm and serviceable; average weight per dozen pairs, 19 oz.

1 dozen pairs in a bundle.

No. 1164. Grey. List dozen pairs 4.80

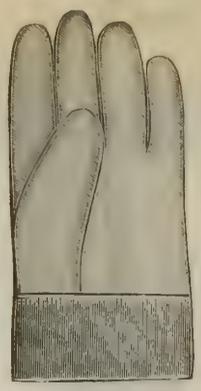
No. 1165. Tan. List dozen pairs 4.80

Men's Size.

Made of best grade, 8½ ounce Jersey cloth; fleece lined; double knit wrist; well sewn; warm and serviceable; average weight per dozen pairs, 1⅜ pounds.

1 dozen pairs in a bundle.

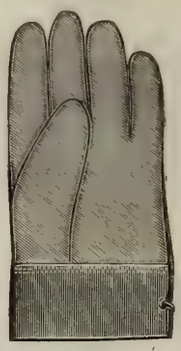
LEATHER GLOVES



No. 130. Men's. List dozen pairs 12.00

Pearl chrome back and palm; unlined; 2 inch russet cuff; inside and outside sewn; half welted thumb; length over all 10½ ins.; average weight per dozen pairs, 2¼ pounds.

1 dozen pairs in a bundle.



No. 30. Men's. List per dozen pairs 15.20

Pearl chrome back and palm; unlined; 2 inch heavy russet cuff; inside sewn; half welted thumb; quick string fastener; length over all, 9¾ inches; average weight per dozen pairs, 2¾ pounds.

1 dozen pairs in a bundle.

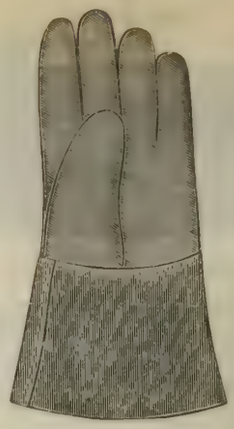
No. 32. Men's. List per dozen pairs 14.00

With Gauntlet Cuff.

Pearl Chrome back and palm; unlined 4¼ inch stiff russet gauntlet cuff; inside and outside sewn; half welted thumb; length over all, 12¼ inches; average weight per dozen pairs, 3¾ pounds.

1 dozen pairs in a bundle.

LEATHER GLOVES



No. 34. Men's. List per dozen pairs 25.00

With Gauntlet Cuff.

Genuine horse hide palm, unfinished mule skin back; unlined; 4½ inch stiff russet gauntlet cuff with extension tab; inside and outside sewn; half welted thumb; length over all, 12 inches; average weight per dozen pairs, 5 pounds.

1 dozen pairs in a bundle.

LEATHER MITTS

PULL-OVER.

No. 80. Men's. List per dozen pairs 11.70

All mule skin; unlined; bound edge; inside sewn; full welted thumb; elastic wrist; length over all, 10 inches; width 4⅞ inches; average weight per dozen pairs, 3¼ pounds.

1 dozen pairs in a bundle.

PULL-OVER.

No 60. Men's. List per dozen pairs 26.00

Genuine horse hide; unlined; inside sewn; full welted thumb; elastic wrist; length over all, 10 inches; width 4½ inches; average weight per dozen pairs, 3¾ pounds.

1 dozen pairs in a bundle.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

LEATHER MITTS

ONE-FINGER.

No. 22. Men's. List per dozen pairs 6.50

Mule Skin.

Yellow mule skin back and palm; 2 inch stiff leather cuff; inside sewn; length over all, 9½ inches; average weight per dozen pairs, 3½ pounds.

1 dozen pairs in a bundle.

ONE-FINGER.

No. 61. Men's. List dozen pairs 9.30

Pearl chrome back and palm; unlined; 2 inch stiff leather cuff; inside sewn; length over all, 10 inches; average weight per dozen pairs, 3 pounds.

1 dozen pairs in a bundle.

ONE-FINGER.

No. 261. Men's. List dozen pairs 12.00

Lined.

Pearl chrome back and palm; 2 inch russet leather cuff; full fleece lined; seams inside and outside sewn; half welted thumb; length over all, 9½ inches; average weight per dozen pairs, 2¾ pounds.

1 dozen pairs in a bundle.

LEATHER MITTS

ONE-FINGER.

No. 45. Men's. List dozen pairs 9.00

With Gauntlet Cuff.

Unfinished mule skin back and palm; unlined; 4¼ inch russet gauntlet cuff; inside sewn; length over all, 12 inches; average weight per dozen pairs, 4½ pounds.

1 dozen pairs in a bundle.

ONE-FINGER.

No. 35. Men's. List dozen pairs 12.00

With Gauntlet Cuff.

Pearl chrome back and palm; unlined; 4¼ inch stiff russet gauntlet cuff; inside sewn; half welted thumb; length over all, 12 inches; average weight per dozen pairs, 3¼ pounds.

1 dozen pairs in a bundle.

LINED.

No. 82. Men's. List dozen pairs 10.00

All mule skin; sox lined; 3 inch double ply knitted cuff with extension tab; seams inside sewn; half welted thumb; length over all, 11 inches; average weight per dozen pairs, 5¾ pounds.

1 dozen pairs in a bundle.

LEATHER MITTS

LINED.

No. 186. Men's. List dozen pairs 15.00

Saranac palm and back; heavy sox lining; 3½ inch double ply, rolled knitted cuff with extension tab; seams inside sewn; half welted thumb; length over all, 11 inches; width 4¾ inches; average weight per dozen pairs, 6 pounds.

1 dozen pairs in a bundle.

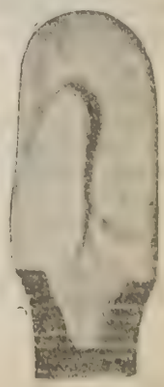
LINED.

No. 88. Men's. List dozen pairs 19.20

All Pig Skin.

Heavy pig skin back and palm; sox lined; 3¼ inch double ply, rolled knitted cuff with extension tab; seams inside sewn; half welted thumb; length over all, 11 inches; width 4¾ inches; average weight per dozen pairs, 6 pounds.

1 dozen pairs in a bundle.



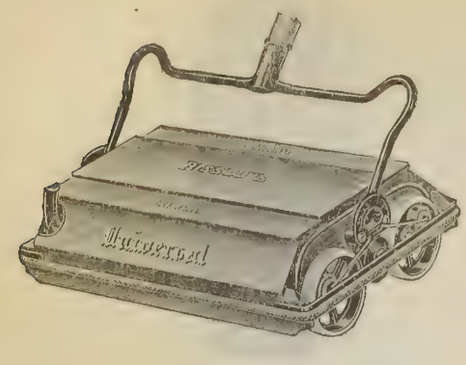
LINED.

No. 86. Men's. List dozen pairs 24.00

Horse hide palm and thumb, unfinished mule skin back; sox lined; 3¼ inch double ply, rolled knitted cuff with extension tab; seams inside sewn; half welted thumb; length over all, 11 inches; width, 4¾ inches; average weight per dozen pairs, 7 pounds.

1 dozen pairs in a bundle.

CARPET SWEEPERS



BISSELL'S.

Universal. List per dozen 96.00

Japanned Trimmings; "Cyco" Bearing.

Wood case in assorted finishes; rubber tired steel wheels; reversible stand-up bail; braided furniture protector; selected brush; single dump pans; 46 inch handle with steel thread; fitted with the original "Cyco" bearings; case 12¼ inches long, 9 inches wide, 4 inches high; length over all 14½ inches, height over all 4¼ inches; average weight per dozen, packed, 95 pounds.

1 dozen in a case, handles separate.

CARPET SWEEPER HANDLES

"Bissell's." List per dozen 4.80

Smooth turned hardwood handle, 46 inches long over all, ⅞ inch diameter; stained; pressed steel thread; average weight per dozen, 8½ pounds.

Open stock.

CARPET SWEEPER BRUSHES

"Bissell's." List per dozen 15.60

2¾ inch selected hog bristles, 1⅛ inches out; hardwood roller 13¾ inches long over all; average weight per dozen, 6 pounds.

Open stock.

CARPET SWEEPER TIRES

"Bissell's." List per dozen 1.80

Specially cured stock, 3/16 inches thick, ½ inch wide; for 2⅝ inch diameter wheels; average weight per dozen, 6 oz.

Open stock.

CARPET SWEEPERS

BISSELL'S.
"GRAND RAPIDS."

Japanned Trimmings. List dozen 100.00

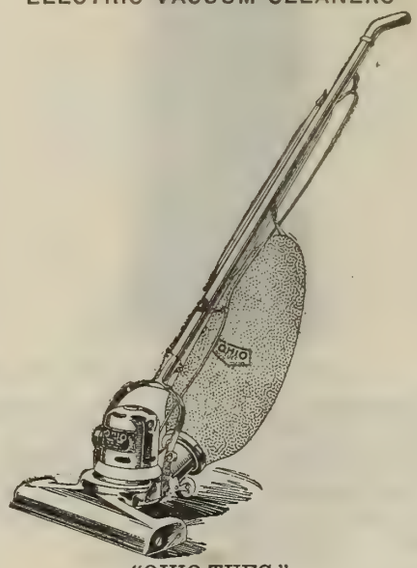
Nickeled Trimmings. List dozen 110.00

"Cyco" Ball Bearing.

Wood case in assorted finishes; 3 inch rubber tired steel wheels; reversible stand-up bail; "No-mar" rubber corner cushions; best quality bristle brush; single dump pans; 46 inch handle with steel thread; case 12¼ inches long, 9 inches wide, 4 inches high, length over all, 15 inches; average weight per dozen, packed, 100 pounds.

1 dozen in a case, handles separate.

ELECTRIC VACUUM CLEANERS



"OHIO-TUEC."

No. 4. List each 86.00

Self Starting.

Cleans without Beating and Pounding.

A light weight, efficient, and reliable machine, made of the best materials throughout; attractively finished; carefully tested.

Casting—The base, pan case, motor housing and fork are cast of aluminum and highly polished.

Dust Bag—Double ply, opens only at lower end; simple bayonet lock device, 3⅞ inches diameter; easily emptied.

Handle—41 inches long, ebony finished wood with polished aluminum "pistol grip" with oil can in it.

Bristle Brush—For picking up surface litter, revolvs slowly with the pushing of the machine over the floor; easily taken out.

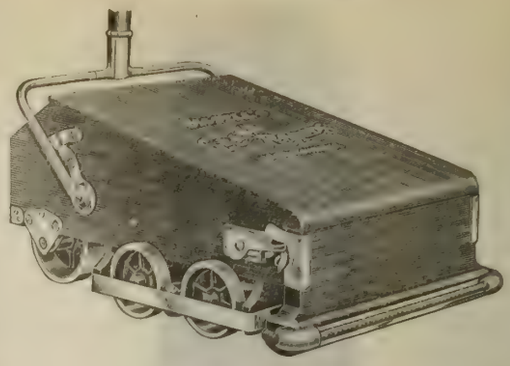
Motor—110 Volts; universal type, suitable for both dircet and alternating current, 25 to 60 cycles; gives exceptionally high suction power.

Features—Handle locking device; adjustable nozzle; automatic switch, operates by raising or lowering the handle, long electric cord with screw plug; automatic dust check.

Average weight each, 11½ pounds.

1 in a carton, handle separate.

VACUUM SWEEPERS



BISSELL'S.

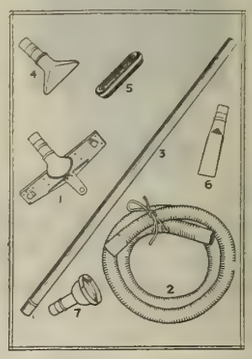
"Grand Rapids." List dozen 212.00

Nickel Plated Trimmings.

Mahogany finish wood case; rubber tired steel wheels; quick detachable, rear emptying bag; best quality brush with separately dumping pans; rubber corner cushions; 46 inch handle with steel thread; size over all, 11½ inches wide, 16 inches long, 7 inches high; combines great suction power, sweeping efficiency, compactness of design, ease of operation; average weight each, 14 pounds.

1/12 dozen in a carton.

ATTACHMENTS FOR ELECTRIC VACUUM CLEANERS



"Ohio-Tuec". List per set 20.00

7-Piece.

Designed as a complete unit for every household task.

No. 1—Suction shoe used in connecting the hose to the cleaner; quickly attached; black enamelled finish steel.

No. 2—Corrugated flexible hose; first quality; 7 feet long, 1½ inches inside diameter.

No. 3—Steel extension tube, used for reaching high places; 40 inches long, 1⅜ inches inside diameter; black enamelled finish.

No. 4—For upholstered furniture, mattresses, etc.; polished aluminum body; nickel plated steel tube.

No. 5—Suction brush for plate rails, walls, brushing clothes, etc., with nickel plated slide for attaching to tool No. 4.

No. 6—Used for small crevices such as folds in upholstery, also used with blower connection for blowing out radiators, etc.

No. 7—Blower connection, black enamelled finish steel; average weight per set, 9 pounds.

1 set in a carton, tool 3 separate.

CARPET BEATERS

No. 3. List per dozen 2.70

Single Loop.

No. 9 coppered spring steel wire loop; red stained wood handle with inserted steel ferrule; clinched; 7¼ inches wide, 31 inches long, over all; average weight per dozen, 3½ pounds.

1 dozen in a bundle.

No. 32. List per dozen 3.50

Double Loop.

Made of No. 10½ coppered spring steel wire, twisted at head; red stained wood handle with inserted steel ferrule; the wires are twisted at the end and passing through the handle are clinched; width 14¾ inches; length over all, 32 inches; average weight per dozen, 7½ pounds.

1 dozen in a bundle.

No. 34. List per dozen 4.00

Double Loop; Offset Handle.

Made of 10½ gauge coppered steel wire, stiffened at head; the wires are twisted at the end and form a strong protection for the back of the hand; stained wood handle; width 15¼ inches; length over all, 34 inches; average weight per dozen, 8½ pounds.

1 dozen in a bundle.

DOOR MATS

No. 35.

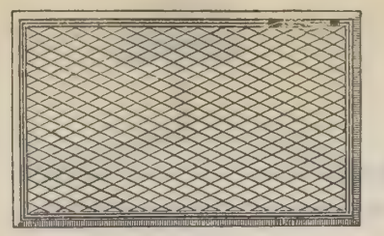
No.	Size, ins.	App wt. doz.	List per doz.
1	14x24	42	19.20
2	16x27	53	24.00
3	18x30	64	30.00

Cocoa.

Good quality cocoa fibre brush mat; 1½ inch pile.

Open stock.

DOOR MATS



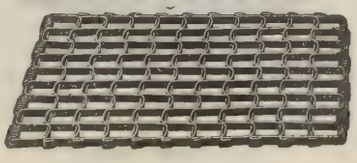
RUBBER.

Size, inches	App. wt. doz.	List each
14x26	30 lbs.	2.00
18x30	48 lbs.	2.30

Ribbed.

Moulded of good quality rubber on canvas bottom; diagonally ribbed, forming diamond squares 7/8 x 2¼ inches; easily cleaned; sanitary; serviceable.

Open stock.



FLEXIBLE STEEL.

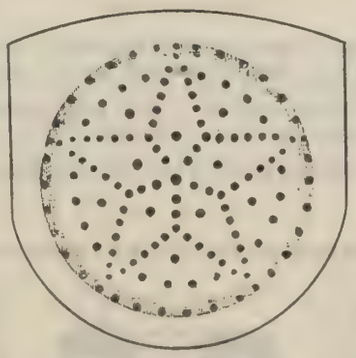
No.	Size, ins.	App. wt. doz.	List dozen
1	16x24	57	33.60
2	18x30	78	48.00

Continuous Crimp; Galvanized.

Made of ribbon steel 18 gauge, 3/8 inch deep; steel wire hinge-rods; light strong and durable; can be rolled into a compact bundle.

Open stock.

CHAIR SEATS



CROWN DINING.

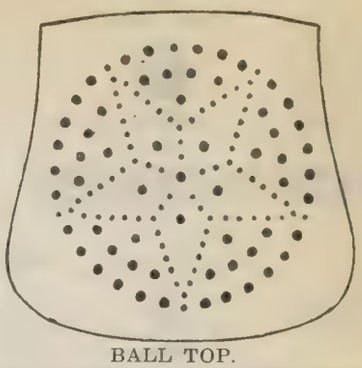
No.	Width, length, inches	App. wt. doz.	List dozen
14	14 x 14	7¾ lbs.	2.30
15	15 x 15	8¼ lbs.	2.60
16	16 x 16	9¾ lbs.	2.90

3-Ply Birch.

Standard grade; 3-ply veneer; natural finish; polished on one side; perforated; cut to shape, ready to adjust; 5/32 inch thick.

Open stock.

CHAIR SEATS



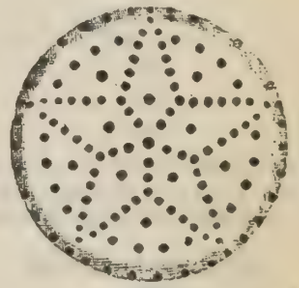
BALL TOP.

No.	Width, length, inches	App. wt. doz.	List dozen
14	13¾ x 13¾	6¼ lbs.	2.30
15	14¾ x 14¾	8 lbs.	2.60
16	15¾ x 15¾	10½ lbs.	2.90

3-Ply Birch.

Standard grade; 3-ply veneer; natural finish; polished on one side; perforated; cut to shape, ready to adjust; 5/32 inch thick.

Open stock.



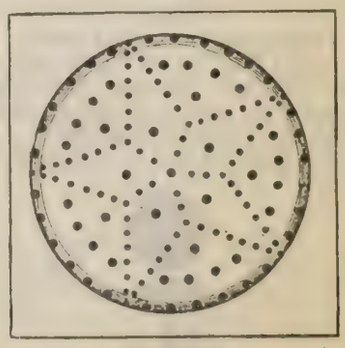
ROUND.

Diameter.	App. wt. doz.	List dozen
15-inch.	7½ lbs.	2.60
16-inch.	8 lbs.	2.90

3-Ply Birch.

Standard grade; 3-ply veneer; natural finish; polished on one side; perforated; cut to shape, ready to adjust; 5/32 inch thick.

Open stock.



SQUARE.

Size, inches	14	15	16	18
List per dozen	2.30	2.60	2.90	3.90
App. wt. doz., lbs.	9	9¾	10¼	14¼

3-Ply Birch.

Standard grade; 3-ply veneer; natural finish; polished on one side; perforated; cut to shape, ready to adjust; 5/32 inch thick.

Open stock.

FURNITURE NAILS
or
Chair Nails

No.	No. in a pkg.	List per 1,000
1043	50	2.20
043	100	1.80
43	1000	1.50

Brass Plated Head and Shank.

Oval head, 5/16 inch diameter; 9/16 inch shank; average weight per thousand, 17 oz.

1 Thousand in a carton.

No.	No. in a pkg.	List per 1,000
1042	50	2.50
042	100	2.00
42	1000	1.60

Brass Plated Head and Shank.

Oval head, 11/32 inch diameter; 9/16 inch shank; average weight per thousand, 19 oz.

1 Thousand in a carton.

No. 210.

Color 4. Chocolate. List 100 ..... .30

Color 7. Khaki. List 100 ..... .30

Metaline.

Enamelled Head and Shank.

Flat metal head with bevelled edge, 7/16 inch diameter; ½-inch steel shank; enamelled in colors as above; average weight per thousand, 1 pound.

1/2 Hundred (50) in a package.

No. 3902/96.

In 100's. List per 100 ..... .24

In 1000's. List per 100 ..... .20

Dull Black Enamelled Head and Shank.

Oval metal head with beaded edge, 7/16 inch diameter; ½-inch steel shank; average weight per thousand, 2 pounds.

10 Hundred in a carton.

TACK BUMPERS

⅝-inch diameter. List per gross 2.20

¾-inch diameter. List per gross 3.70

Rubber.

Hard black composition rubber; half circle head with steel wire nail firmly embedded; average weight per gross, 1 pound.

1 gross in a box.

BAR BUMPERS

RUBBER

Black. List per 100 ..... 4.00

White. List per 100 ..... 4.80

1⅝ inches long.

Hard composition rubber; sloping sides; ½-inch wide at base, ⅜-inch wide at top, ⅜-inch high; with two nail holes; average weight per hundred, 2 pounds.

1/2 hundred (50) in a box.

WINDOW SHADE ROLLERS

"HARTSHORNS."

15/16 inch. List per dozen 6.50

42 inches long.

Round wood roller; self-acting spring made of finely tempered steel; cast pin end plate and steel socket; can be used on shades up to 7 feet long; average weight per dozen, 6 pounds.

Packed as ordered; with brackets.

WINDOW SHADE ROLLER BRACKETS

No. 441. List per gross pairs 7.20

Coppered Steel.

Wrought steel; 1¼ inch from base to centre of hole; 1⅝ inch base; outside brackets, drilled with extra holes for use as inside brackets; average weight per gross pairs, 7 pounds.

1/2 gross pairs in a box, without nails.

WINDOW SHADE PULLS

No. 650. List per gross 2.60

1½ Inch Ring.

Nickle plated ring of ⅛ inch steel wire; with bright wire screw eye; average weight per gross, 6 pounds.

1 gross in a box.

CURTAIN RINGS

20 GAUGE.

5/16 Inch. List per gross ..... .52

Stamped Brass.

Round hollow tube, 20 gauge; 5/16 inch inside diameter; average weight per gross, ½ ounce; 1 gross on a string.

12 gross in a box.

3/8 1/2 5/8

18 GAUGE.

Size, inches	3/8	1/2	5/8	3/4
List gross	.60	.70	.90	1.10
App. wt. gross, oz.	1	1½	2	3

Stamped Brass.

Round hollow tube, 18 gauge; sizes as above are the inside diameters; 1 gross on a string.

12 gross in a box.

14 GAUGE.

1 Inch. List per gross 2.30

Stamped Brass.

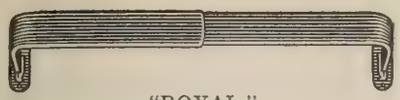
Round hollow tube, 14 gauge; 1 inch inside diameter; average weight per gross 6 ounces; 1 gross on a string.

12 gross in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

EXTENSION CURTAIN RODS

Finest quality cold rolled steel, perfectly smooth finish; rolled edges; will not sag; sprayed brass finish, will not tarnish; each set in a box complete.

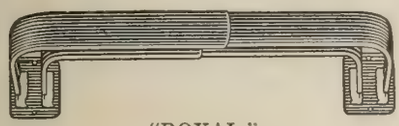


"ROYAL."

Nos.	R691	R731
List per dozen	4.50	5.20
Extension, inches	28 to 48	36 to 63
App. wt. doz., lbs.	7½	9

Single; Flat.

1/12 dozen sets in a box with brackets and nails.



"ROYAL."

Nos.	R701	R741
List per dozen	8.40	10.80
Extension, inches	28 to 48	36 to 63
App. wt. doz., lbs.	12	14

Double; Flat.

1/12 dozen sets in a box with brackets and nails.

"ROYAL."

No. 841. List per dozen 16.00

Single Bay Window; Flat.

Centre extends from 28 to 48 inches; sides extend from 16 to 30 inches; average weight per dozen, 13 pounds.

1/12 dozen sets in a box with brackets, nails and double hooks.

"ROYAL."

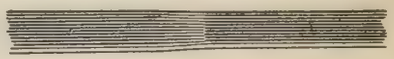
No. R851. List per dozen 31.20

Double Bay Window; Flat.

Centre extends from 28 to 48 inches; sides extend from 16 to 30 inches; average weight per dozen, 24 pounds.

1/12 dozen sets in a box with brackets, nails and double hooks.

CURTAIN ROD EXTENSIONS



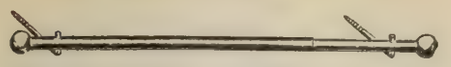
"ROYAL."

No. R77. List per dozen 3.00

Length 36 inches; for extending all Royal curtain rods; average weight per dozen, 6 pounds.

1 dozen in a box.

EXTENSION CURTAIN RODS

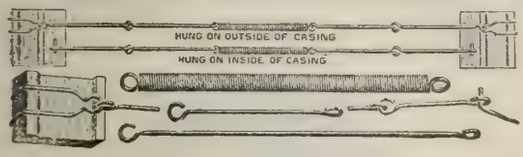


No. 7. List per dozen 1.40

24-44 Inch Extension.

Brass plated; ¼-inch outer tube; solid inside rod; 3/8 inch ball ends; complete with 1¼ inch brass plated screw hooks; average weight per dozen, 1¾ pounds.

3 dozen in a box.



"Tip-Top." List per dozen 2.40

9-51 Inch Extension.

Nickle plated; consists of one coil spring 7 inches long, 5/16 inch diameter, two rods 10 inches long, one rod 8 inches long, one rod 5¼ inches long, one rod 5⅜ inches long, all of 13 gauge steel wire; also two 3/4 inch screw hooks and two casing clasps; adjustable to any door or window opening; will not sag; put up in a few seconds; average weight per dozen, 3 pounds.

Each in a paper envelope.

12 dozen in a carton.

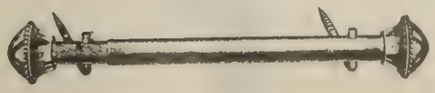
No. 48. List per dozen 2.50
Nickel Plated Ends.

No. 48. Gold. List per dozen 2.70
Gilt Ends.

30-54 Inch Extension.

Brass plated tubes; outer tube 7/16 inch diameter, with end ferrule; 1¼ inch fancy fast ends (plated as above); complete with 2½ inch brass plated screw hooks; average weight per dozen, 3 pounds.

2 dozen in a box.



No. 21S. List per dozen 3.00

30-54 Inch Extension.

Brass plated; 7/16 inch outer tube with end ferrule; 3/8 inch inner tube; 1 inch fancy, fast ends; complete with 2½ inch brass plated screw hooks; average weight per dozen, 3 pounds.

2 dozen in a box.

EXTENSION CURTAIN RODS

No. 71F. List per dozen 3.00

30-54 Inch Extension.

Brass plated; outer tube 7/16 inch diameter with end ferrule; 3/8 inch inner tube; 1 inch fast ends; complete with 2½ inch brass plated screw hooks; average weight per dozen, 3¼ pounds.

2 dozen in a box.

REVERSIBLE END.

No. 24. List per dozen 3.20
Brass Plated.

No. 23. List per dozen 3.50
Nickle Plated.

24-43 Inch Extension.

1/4 inch outer tube, solid inside rod; oval end brackets 1⅜ inches long; fits either inside or outside of window frame; complete with escutcheon pins; average weight per dozen, 4 pounds.

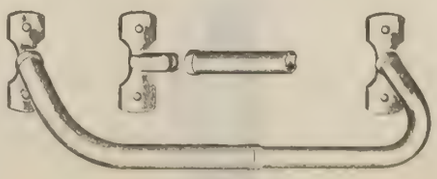
1 dozen in a box.

No. 274. List per dozen 3.70

30-54 Inch Extension.

Brass plated; 7/16 inch outer tube with end ferrule; 1¾ inch fast ends; complete with 2½ inch brass plated screw hooks; average weight per dozen, 4¼ pounds.

1 dozen in a box.



ELBOW.

No. 62. List per dozen 3.10

30-50 Inch Extension.

Brass plated tubes; outer tube 7/16 inch diameter, with end ferrule; projects 3½ inches from wall; complete with wall plates and escutcheon pins; average weight per dozen, 3½ pounds.

1 dozen in a box.

EXTENSION CURTAIN RODS

ELBOW.

No. 101. List per dozen 2.80

28-48 Inch Extension.

Brass plated folded tin half tubes, 13/16 inches wide; projects 3¼ inches from wall; complete with wall plates and escutcheon pins; average weight per dozen, 3½ pounds.

2 dozen in a box.

ELBOW.

No. 104. List per dozen 5.30

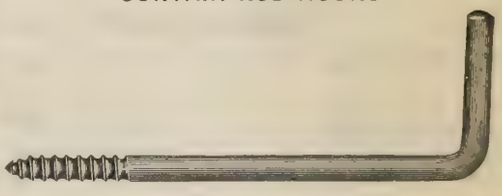
Double Elbow Rods.

28-48 Inch Extension.

Brass plated folded tin half tubes, 13/16 inches wide; 2½ and 3¼ inch projections; complete with double wall plates and escutcheon pins; average weight per dozen, 6½ pounds.

1 dozen in a box.

CURTAIN ROD HOOKS



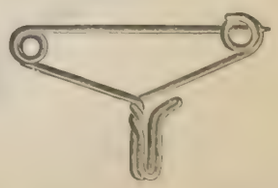
No. 4. List per gross 1.60

Brass Plated.

Square shouldered, steel wire hook, 11 gauge; 2½ inches long; average weight per gross, 1½ pounds.

1 gross in a box.

DRAPERY HOOKS
or
Drapery Pins.



No. 0327. List per gross 1.00

Polished Brass Plated.

18½ gauge spring steel wire; twisted, double wire hook; length 1½ inches; average weight per gross, 3/4 pound. Sold only in full boxes.

1 gross in a box.

CURTAIN POLE BRACKETS

No. 78.

For Pole, inches	1	1½
List dozen pairs	1.50	1.50
Extension, inches	2	2¾
Spread, inches	3⅛	4⅛
App. wt. doz. prs., lbs.	1¾	2¼

Polished Brass Plated.

Two-piece sheet steel bracket, 9/16 inch wide.

1 dozen pairs in a box.

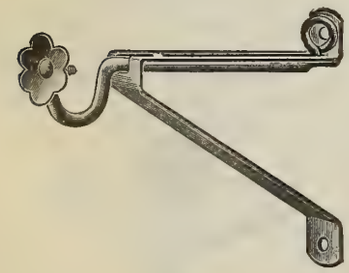
No. 47.

For Pole, inches	1	1½
List dozen pairs	2.30	2.50
Extension, inches	2¼	3
Spread, inches	3¼	3½
App. wt. doz. prs., lbs.	1	1¼

Polished Brass Plated.

Two-piece sheet steel bracket, 9/16 inch wide; with screw rosette.

1 dozen pairs in a box.



No. 67.

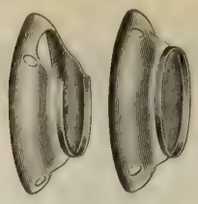
For Pole, inches	1	1½
List dozen pairs	4.90	5.10
App. wt. doz. prs., lbs.	3¾	4¼

Extends 4 to 7 Inches.

Brass Plated; flat sheet steel support, 5/8 inch wide, 4 inch spread; round, sliding extension rod; with screw rosette.

1 dozen pairs in a box.

CURTAIN POLE SOCKETS



No. 7.

1 1/2 Inch. List per dozen pairs 2.60

Plain Socket.

Polished stamped brass; for 1½ inch poles; outside diameter 2 9/16 inch; average weight per dozen pairs, 4 oz.

2 dozen pairs in a box.

No. 463.

For pole, inches	1	1⅜	1½
List dozen pairs	2.70	3.60	3.70
App. wt. doz. prs., oz.	6	14	16

Bayonet Pattern.

Polished stamped brass; one "open" and one "closed" socket to the pair; without screws.

1 dozen pairs in a box.

CURTAIN POLE RINGS

Rings should be ordered next size larger than the pole upon which they are to be used.

No. 29.

1¼-inch. List per 100 ..... 5.70

1¾ inch. List per 100 ..... 5.80

Polished Brass.

Oval, hollow tube brass ring, 7/32 inch wide; solid eyelet; sizes mentioned are inside diameters; average weight per hundred, 1¼ inch, 8 ounces; 1¾ inch, 10 ounces.

2 Hundred in a box.

No. 96.

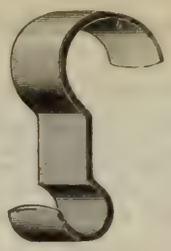
1 Inch. List per dozen ..... .90

Brass Plated.

Oval hollow tube brass ring, 1/4 inch wide; reinforced solid eyelet; sizes mentioned are inside diameters; average weight per dozen, 2½ ounces.

12 dozen in a box.

MOULDING HOOKS

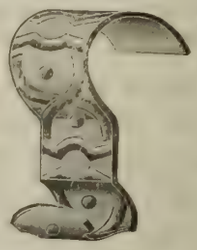


No. 119. List per gross 1.36

Brass Plated.

Flat steel, 1/2 inch wide, 1½ inches long; average weight per gross, 1½ pounds.

1 gross in a box.

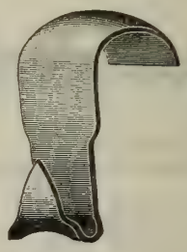


No. 127. List per gross 2.30

Brass Plated.

Figured pressed steel, 11/16 inches wide, 1½ inches long; average weight per gross, 2 pounds.

1 gross in a box.



No. 61. List per gross 3.30

Brass Plated.

Pressed steel hook, 11/16 inches wide, 1½ inches long; average weight per gross, 2 pounds.

1 gross in a box.

No. 165. List per gross 3.30

Brass Plated.

Figured pressed steel, 3/4 inches wide, 1½ inches long; average weight per gross, 2½ pounds.

1 gross in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

CURTAIN POLE RINGS

ENGLISH.

No. 1000	1-Inch	1¼-Inch	1¾-Inch
List per gross ...	5.00	5.50	7.50
Ap. wt. gross, lbs.	1¼	2	2½

Polished Brass.

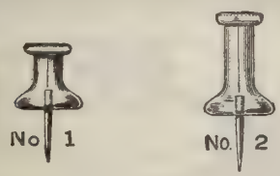
Round hollow tube brass ring, 3/16 inch diameter; solid eyelet; sizes mentioned are inside diameter.

1/2 gross in a box.

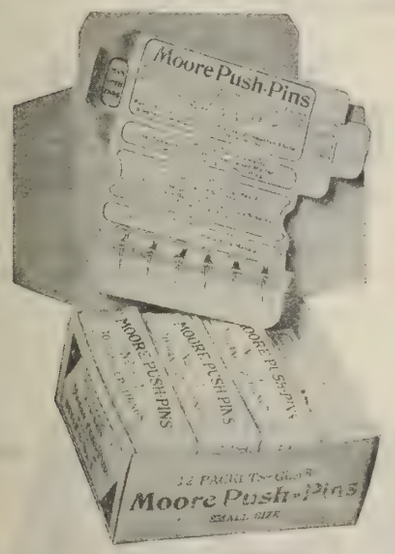
PUSH-PINS

MOORE'S.

Tough, Crystal Clear Glass Heads; Blued Tool Steel, Carefully Tempered Needle Points.



These pins are, to a great extent, superseding the tack and the hammer; easily inserted in wood or plaster; strong and ornamental.



Style C. No. 1. List per carton 2.40

Contains 12 packages of size No. 1 push-pins, 6 to a package; average weight per carton, 5 ounces.

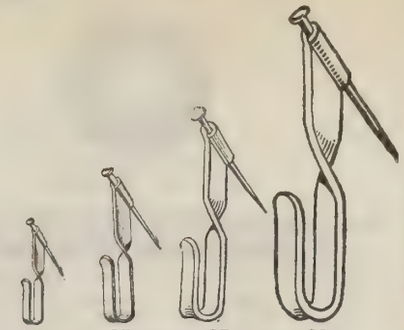
Style C, No. 2. List per carton 2.40

Contains 12 packages of size No. 2 push-pins, 6 to a package; average weight per carton, 1/2 pound.

PUSH-LESS HANGERS

MOORE'S.

Brass Plated Twisted Steel Hook; Bright, Tempered Tool Steel Point.



Nos.	24	25	27	28
Supports	10 lbs.	20 lbs.	50 lbs.	100 lbs.

These hangers will securely support the weights they are made to take; can be used in wood or plaster without disfiguring; quickly applied, rigid and neat.

STYLE C.

Nos.	24	25	27	28
List carton	2.40	2.40	2.40	2.40
Hangers in a pkg.	10	6	3	2
App. wt. pkg., Oz.	5	7	11	15
Size	24	25	27	28

12 Packages in a carton.

PUSH-PIN HANGER ASSORTMENT

MOORE'S.

Style L. List per assortment 27.00

Counter Cabinet.

Contains:—

22 packets No. 1 Push-Pins.
18 packets No. 2 Push-Pins.
42 packets No. 24 Push-less Hangers.
52 packets No. 25 Push-less Hangers.
10 packets No. 27 Push-less Hangers.
26 packets No. 28 Push-less Hangers.

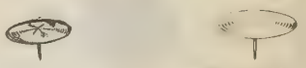
This cabinet is substantially made of wood in Mission finish, sectioned to hold the different packages; the top is hinged and attached to the front are samples of the various sizes contained therein. Size:—15½ inches long, 14 inches high, 4¾ inches wide; average weight each, 10 pounds.

Each assortment in a carton.

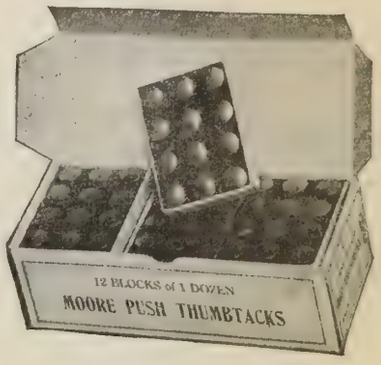
PUSH THUMB TACKS

MOORE'S.

Well made, of superior nickled steel; carefully tempered, tool steel needle points.



No. 51 — 3/8 inch.
No. 52 — 7/16 inch.

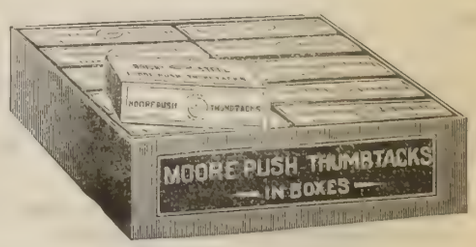


No. 51B. List per carton 1.00

Contains 12 blocks of size No. 51 thumb tacks, 12 on a block; average weight per carton, 7 ounces.

No. 52B. List per carton 1.10

Contains 12 blocks of size 52 thumb tacks, 12 on a block; average weight per carton, 7 ounces.



No. 51L. List per 1,000 ..... 2.90

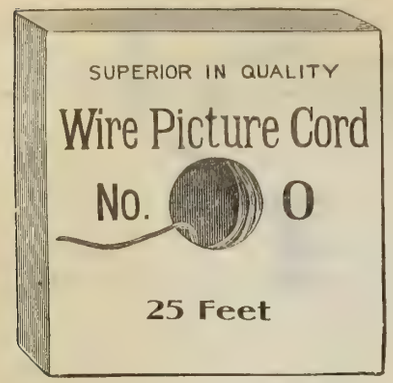
100 size No. 51 thumb tacks packed loose in a box; average weight per thousand, 1¼ pounds.

No. 52L. List per 1,000 ..... 3.30

100 size No. 52 thumb tacks packed loose in a box; average weight per thousand, 1¼ pounds.

1 thousand in a carton.

WIRE PICTURE CORD



TINNED.

Nos.	50	51	52
List dozen	.80	1.00	1.20
No. of strands	4	8	12
Test, lbs.	25	60	110
App. wt. doz., lbs.	5/8	1	1¼

25 Feet Coils.

Superior quality; braided tinned steel wire strands; each coil in a package.

1 dozen in a carton.

TINNED.

Nos.	0	1	2	3
List dozen	1.40	2.10	2.80	3.70
No. of strands	4	8	12	16
Test, lbs.	25	60	110	140
App. wt. doz., lbs.	1½	2¼	3¼	4¼

25 Yard Coils.

Superior quality; braided tinned steel wire strands; each coil in a package.

1 dozen in a carton.

PICTURE WIRE CORD

Illustrations showing actual size.

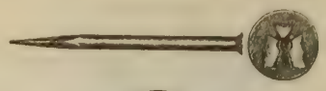
4 strand

.8 strand

12 strand

16 strand

PICTURE NAILS



Cut full size head.

No. 9. List per gross 10.00

White Porcelain Slide Head.

Head ¾ inch diameter with brass rim and back; copper plated steel wire nail, 8 gauge, 2½ inches long; average weight per gross, 3½ pounds.

1/4 gross in a box.

OILCLOTH BINDING

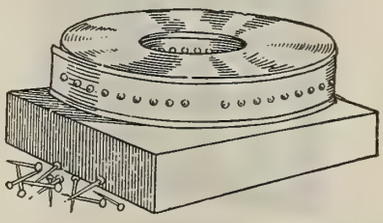
No. 60.

Size	Yards in a box.	App. wt. doz., lbs.	List dozen boxes
4/4	4	3	2.00
5/4	5	3¼	2.50
6/4	6	4	3.00
8/4	8	4¾	4.00

Solid Zinc.

Bright corrugated zinc binding, 7/16 inch wide; each carton contains binding in lengths as indicated above, together with nails.

1 dozen boxes in a carton.



No. 62.

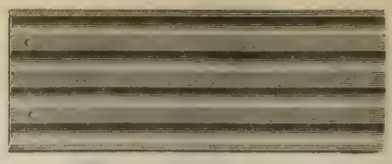
Size	Yards in a box.	App. wt. doz., lbs.	List dozen boxes
4/4	4	3¼	3.40
5/4	5	3½	4.20
6/4	6	3¾	5.10
8/4	8	6	6.50

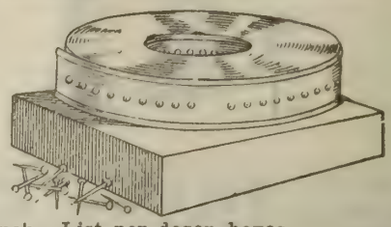
Solid Brass.

Corrugated brass binding, 7/16 inch wide; each carton contains binding in lengths as indicated above together with brassed nails.

1 dozen boxes in a carton.

LINOLEUM BINDING



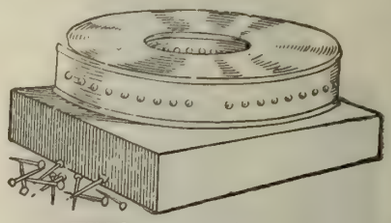


3/4 inch. List per dozen boxes 9.60

Solid Brass.

In Boxes of 25 Feet.

Corrugated brass binding, for seams and edges; complete with nails.

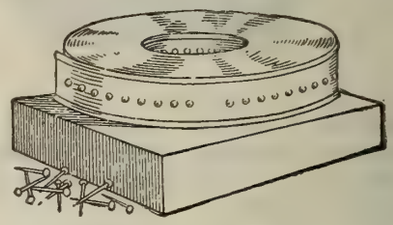


No.	Width, inches.	App. wt., box, lbs.	List per box
61	7/16	2½	2.00
55	3/4	4¼	3.20
53	7/8	4½	3.70

Solid Zinc.

In Boxes of 50 Yards.

Flat binding for seams or edges; with nails.



No.	Width, inches.	App. wt. box, lbs.	List per box
63	7/16	2½	3.50
56	3/4	4½	4.60

Solid Brass.

In Boxes of 50 Yards.

Flat binding for seams or edges; complete with nails.

STAIR PLATES

No. 828. List per gross 3.80

Nickel Plated.

No. 826. List per gross 4.80

Brass Plated.

Stamped metal; concave face; 2⅛ inches high, 2 5/16 inches wide; with escutcheon pins to match; average weight per gross, 3¼ pounds.

1/2 gross in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA

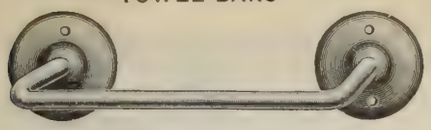
TOWEL ROLLERS

No. 42. List per dozen 4.50

Made from oak finished hardwood with nickel plated steel brackets; diameter of roller 3/4 inches, 18 inches long with steel pivots; weight per dozen, 7 pounds.

1 dozen in a bundle

TOWEL BARS



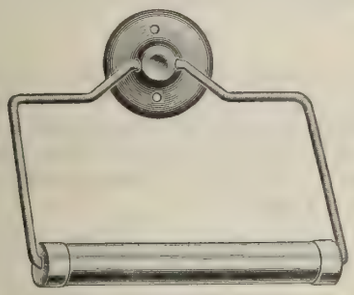
No. 300.

Length	App. wt. doz.	List per dozen
16-inch.	6-lbs.	3.30
18-inch.	7-lbs.	3.50

Nickel Plated.

Round steel bar, 5/16 inch diameter; 1¾ inch round wall plates; projects 3 inches.
2 dozen in a box.

TOILET PAPER HOLDERS

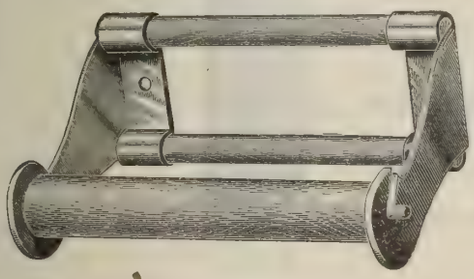


No. 200. List per dozen 3.20

All Metal; Nickel Plated.

10 gauge wire frame; metal tube roller with end caps, 5 inches long, ¾ inch diameter; round wall plate, 1 13/16 inches diameter; average weight per dozen, 1¾ pounds.

2 dozen in a box.



No. 165. List per dozen 3.20

Nickel plated steel brackets; stained wood cross bars, 7/16 inch diameter; stained hardwood roller, 5 inches long, 7/8 inch diameter; 5 inches wide, projects 4 inches; average weight per dozen, 4 lbs.
1 dozen in a box.

TOILET PAPER

"Aurora." List per case 7.70

4 Ounce.

Crepe paper, 4½ inches wide, regular grade; sold only in full case lots; average weight per case, 40 pounds.
1 Hundred rolls in a case.

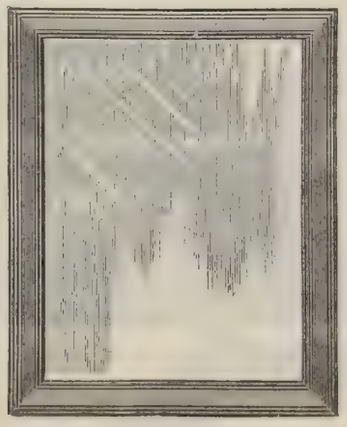
MIRRORS

"QUEEN."

Size, ins.	App. wt. doz., lbs.	List dozen
5 x 7	5½	4.50
6 x 9	6¾	5.50
7 x 9	9	6.00
8 x 10	11¼	7.20
9 x 12	13	9.00
10 x 14	16	10.80

1 inch reeded wood frame in oil chrome finish; fitted with shock plates.

1 dozen in a bundle.



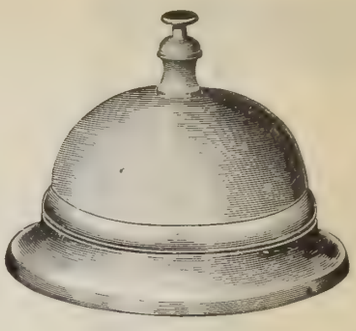
"LOUISE."

Size, ins.	App. wt. doz., lbs.	List dozen
5 x 7	5½	5.00
6 x 9	8¼	6.00
7 x 9	9	6.70
8 x 10	11¼	8.00
9 x 12	16	9.10
10 x 14	19	11.50

1 inch white enamel wood frame; fitted with shock plates.

1 dozen in a bundle.

CALL BELLS



No. 70. List per dozen 4.30

Full Nickel Plated.

Stamped steel; gong 2¾ inches diameter, base 3⅜ inches; height over all, 2¼ ins.; single push stroke; average weight per dozen, 3½ pounds.

1/2 dozen in a box.

No. 72. List per dozen 6.50

Nickel Plated and Highly Polished.

Stamped steel; gong 2¾ inches diameter; base 3⅜ inches; height over all, 2¼ inches; single push stroke; average weight per dozen, 3½ pounds.

1/2 dozen in a box.

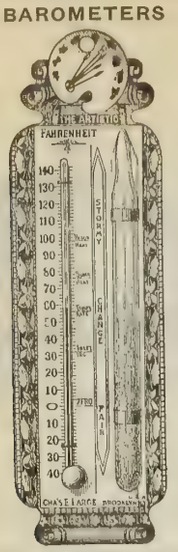
No. 74. List per dozen 15.00

Nickel Plated and Highly Polished.

Cast bell metal gong 2½ inches diameter; stamped steel base 3⅜ inches diameter; height over all 2⅝ inches; single push stroke; average weight per dozen, 5¼ pounds.

1/12 dozen in a box.

BAROMETERS



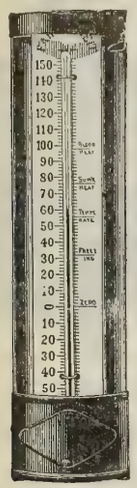
"Artistic." List per dozen 6.00

Combined Thermometer and Storm Glass.

Decorated tin base, 9½ x 2¾ inches; 6¼ inch red spirit magnifying tube; blue figured scale of 150 degrees; 6 inch storm glass; average weight per dozen, 2¾ pounds.

1/12 dozen in a carton.

THERMOMETERS

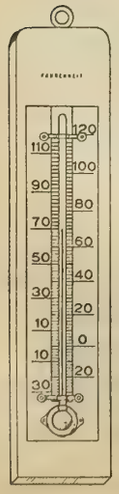


8 Inch Japanned. List dozen 3.40

Tin Case.

Japanned tin case 7½ x 1⅞ inches; enamelled metal face; 6½ inch red spirit magnifying tube; protected bulb; blue figured scale of 200 degrees; average weight per dozen, 1¾ pounds.

1/2 dozen in a box.



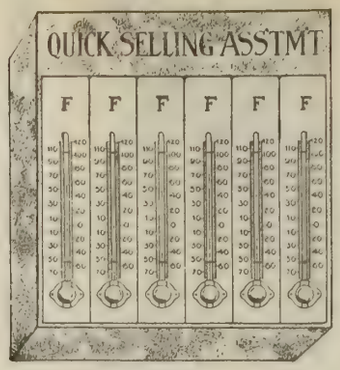
No. 40. List per dozen ... 8.40

8½ inch.

Clear varnish wood back, with bevelled edges, 9¼ x 2½ inches; 7 inch red spirit magnifying tube; protected bulb; nickel plated trimmings; distance reading black figured scale of 170 degrees; average weight per dozen, 2 pounds.

1/12 dozen in a carton.

THERMOMETER ASSORTMENTS

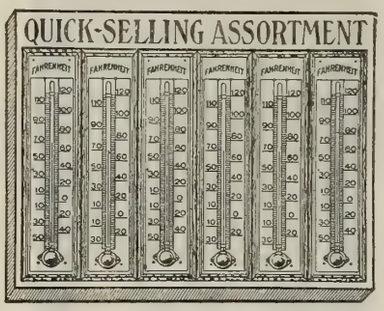


No. 26. List per assortment 5.20

Assortment of 12 Thermometers.

Clear varnished wood back, 7¾ x 1½ inches; 5 inch red spirit magnifying tube; protected bulb; nickel plated mountings; black figured scale of 190 degrees; packed in a wood finished easel back, card-board display box; average weight, 1⅜ pounds.

Each assortment in a carton.



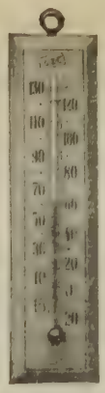
No. 50A. List per assortment 10.80

Assortment of 12 Thermometers.

Stained wood back, with bevelled edges, 9¼ x 2½ inches; lithographed metal scales in different colors with large figures, 170 degrees; 7 inch red spirit magnifying tube; protected bulb, nickel plated trimmings; each thermometer in a carton, packed in a wood finish easel back, card-board display box, 16 inches wide, 12½ inches high, 2 inches deep; average weight, 4¼ pounds.

Each assortment in a carton.

THERMOMETERS



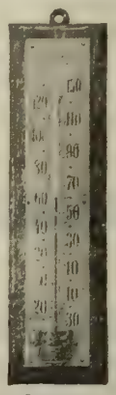
No. 13340. List per dozen 14.40

8½ Inch.

Metal back, covered with white celluloid face, 8½ x 2 inches; 6½ inch red spirit magnifying tube held by nickel plated bands; distance reading, black figured scale of 180 degrees; average weight per dozen, 2 pounds.

1/12 dozen in a carton.

1 dozen in a box.



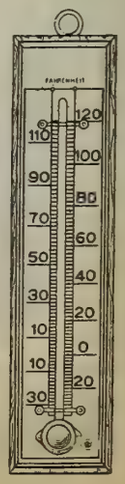
No. 12402. List per dozen 16.80

8 Inch.

Black celluloid face mounted on oak back, (in assorted colors), with bevelled edges, 8 x 2⅜ inches; 5¾ inch red spirit magnifying tube; protected bulb; nickel plated trimmings, distance r ading, white figured scale of 160 degrees; average weight per dozen, 3 pounds.

1/12 dozen in a carton.

1 dozen in a box.



No. 393. List per dozen .. 18.00

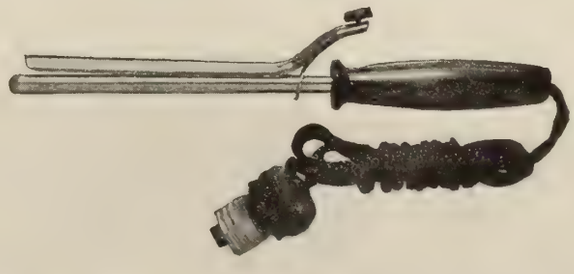
8½ Inch.

Distance reading, white enamelled (on copper) scale mounted on solid mahogany back with bevelled edges, 9½ x 2¾ inches; 7 inch red spirit magnifying tube; protected bulb; nickel plated trimmings; black figured scale of 170 degrees; average weight per dozen, 4 lbs.

1/12 dozen in a carton.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

ELECTRIC CURLING TONGS



Improved. List each 4.90

Quick Heating, Reliable Element; 120 Volts.

Nickel plated iron 3/8 inch diameter; concave arm with vulcanized thumb piece; flat steel spring; ebonized wood handle; full length element; length over all, 10¾ inches; fitted with 5 foot attachment cord and separable plug; cord protected by nickel plated coil spring; average weight each, 1/2 pound.

1 in a box.

INCUBATOR THERMOMETERS

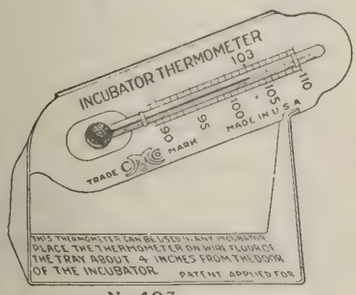
No. 191. List per dozen 10.80

4-Inch.

Black oxidized finish brass face, 4 x 1½ inches; mercury filled tube; white enamel stamped scale from 90 to 110 degres; average weight per dozen, 12 ounces.

Each in a carton.

1 dozen in a box.



No. 403

No. 403. See page 180 for price.

4-Inch.

Silvered finish one-piece brass stand and scale; accurately tested mercury filled tube; black figured scale from 90 to 110 degrees; base 3¾ x 1¾ inches; height over all, 3½ inches; average weight per dozen, packed, 3¾ pounds.

1/12 dozen in a wooden box.

DAIRY THERMOMETERS

No. 7456. List per dozen 5.50

8 Inch Glass, Floating.

7/16 inch diameter glass tube; magnifying mercury tube; circular paper scale printed in red and black with large plain figures (180 degrees) marked for freezing, churning, cheese and scalding; average weight per dozen, ½ pound.

1/12 dozen in a carton.

CAN OPENERS

No. 16. List per dozen 1.70

Nickel Plated.

Cast iron loop handle, 1 inch wide; sharpened blade fastened by two steel rivets; length over all 5 inches; average weight per dozen, 1½ pounds.

1 dozen in a box.

No. 600. List per dozen 1.80

All Steel.

Bright flat steel loop handle (⅜ inch wide); tempered and sharpened steel blade, double rivetted; strong wire cork screw; length over all, 5¼ inches; average weight per dozen, 1¼ pounds.

1 dozen in a box.

"HOME."

No. 200. List per dozen 2.50

Nickel plated cutlery steel blade with corrugated anti-slip gripper, double rivetted to handle; japanned malleable iron loop handle with hook for lifting bottle caps; length over all, 6 inches; average weight per dozen, 1½ pounds.

1 dozen in a display carton.

"Acme." List per dozen 3.50

Nickel Plated.

With Bottle Opener Hook.

Flat steel loop handle, (7/16 inch wide), tempered and sharpened stamped steel blade, double rivetted to handle; strong wire cork screw with bottle opener hook; length over all 5½ inches; average weight per dozen, 1½ pounds.

1 dozen in a box.

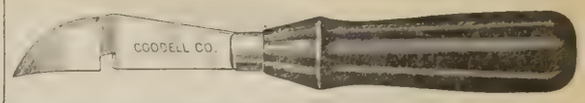
No. 125. List per dozen 3.60

For Round or Square Cans.

Nickelled, heavy steel shank; rivetted stationery blade for square cans, sliding blade for round cans, will cut a hole from 2½ to 6 inches diameter; stamped steel ferrule; black enamel hardwood handle; length over all, 8 inches; average weight per dozen, 2 pounds.

1 dozen in a box.

CAN OPENERS



"Goodell." List per dozen 5.00

Opens Any Shape Can.

Polished cutlery steel blade and shank, well tempered, carefully sharpened; cuts cleanly and easily; nickel plated steel ferrule; ebonized round wood handle; length over all, 7 inches; average weight per dozen, 1¾ pounds.

1 dozen in an easel-back display carton.

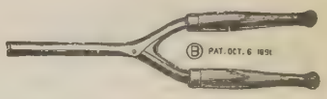
CURLING TONGS
or
Curling Irons.

No. C. List per dozen 1.80

6 Inch.

Highly polished steel jaws; 5/32 inch rod; stamped steel ferrules; flat steel, tempered bow spring; shellaced wood handles; average weight per dozen, ¾ pound.

1 dozen in a box.



No. B. List per dozen 2.00

8 Inch.

Highly polished steel jaws; 1/4 inch rod; stamped steel ferrules; flat steel, tempered bow spring; shellaced wood handles; average weight per dozen, 1¾ pounds.

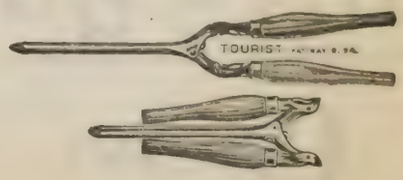
1 dozen in a box.

No. A. List per dozen 3.10

9½ Inch.

Highly polished steel jaws; 5/16 inch rod; stamped steel ferrules; flat steel, tempered bow spring; shellaced wood handles; average weight per dozen, 2½ pounds.

1 dozen in a box.



"Tourist." List per dozen 4.70

Folding.

Nickel plated steel jaws, shanks and ferrules; diameter of rod 1/4 inch; tempered steel wire spring; antique oak finish shellaced wood handles; length over all, 9 inches, folded 5⅝ inches; average weight per dozen, 2 pounds.

1 dozen in a box.

NUT CRACKS

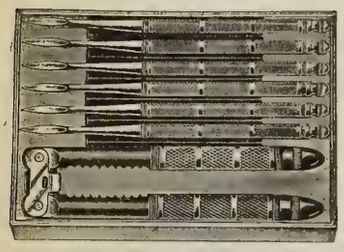
Pride. List per dozen 3.50

5 Inch; Nickel Plated.

Solid steel knurled handles, 3/8 inch diameter with flattened corrugated jaws; fitted with safety coil spring which automatically opens the handles; average weight per dozen, 4 pounds.

1 dozen in a box.

NUT CRACKS AND PICKS



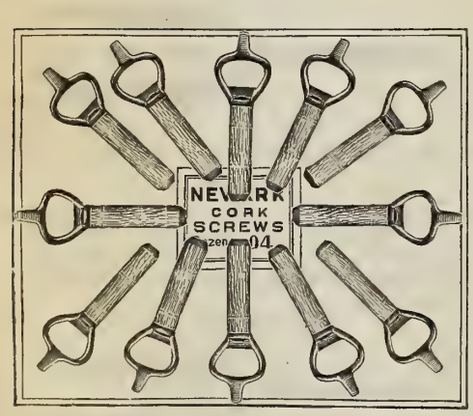
"Laura." List per dozen sets 7.50

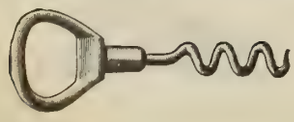
5 Inch; Nickel Plated.

Solid steel nut crack with knurled handles 3/8 inch diameter and fitted with safety coil spring which automatically opens the handles; six 5 inch picks; average weight per dozen sets, 6¼ pounds.

1/12 dozen sets in a box.

CORK SCREWS





No. 04. List per dozen 2.70

Full Nickel Plated.

Metal bottle opener loop handle, 1⅜ inches high; steel wire twist, 1 inch long; shellaced wood shield; length over all, 3 inches; average weight per dozen, 3/4 pound.

1 dozen on a display card.
12 dozen in a box.

CORK SCREWS

No. 1244. List per dozen 5.20

3/32 inch steel wire shank and cut screw (3¼ inches long), rivetted into polished hardwood handle 3¼ inches long; average weight per dozen, 3/4 pound.

1 dozen in a box.

KEY CHAINS

No. 17. List per dozen 1.70

19 Inch Steel Wire Chain.

Nickel plated; twisted links of 18 gauge wire, 2½ links to the inch; 1¼ inch split ring on one end, button loop on the other end; length over all, 20½ inches; average weight per dozen, 1/2 pound.

1 dozen on a card hanger.
3 dozen in a box.

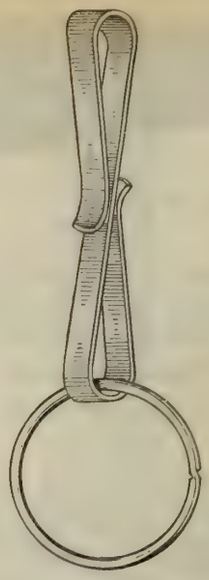
No. 22. List per dozen 2.40

16 Inch Aluminum Chain.

Size 00 Safety chain links; 1¼ inch nickel plated steel split ring on one end, patent spring fastener on the other end; length over all, 17½ inches; average weight per dozen, 5 ounces.

1 dozen on a card hanger.
3 dozen in a box.

KEY RING HOOKS



No. 415. List per dozen ..... .60

Nickel Plated.

Flat spring steel clip, 5/16 inch wide, 3 inches long; 1¼ inch split key ring; holds securely to trouser band or belt; average weight per dozen, 1/2 pound.

1 dozen on a display card.

KEY RINGS

No. 50.

Size, ins.	¾	1	1¼	1⅜	1½
List gross	2.40	2.40	2.70	5.00	6.50
Gauge No.	13	12	12	10	10
App. wt. gr., lbs.	½	1¼	1⅝	2	2¼

Nickel Plated.

Split key rings, made of hard steel wire, accurately formed and carefully finished; sizes are outside diameters.

1 gross in a box.

No. 100.

1 1/4 Inch. List per gross 5.50

Flat, Nickel Plated.

Split key ring with flat sides, made of hard steel wire, spring tempered; 1¼ inch diameter (outside); average weight per gross, 1¾ pounds.

1 gross in a box.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

KEY RINGS

No. 8427. .Assortment. List per asortment .80

Sizes: 1 1/16; 1 5/16 and 1 1/2 inches. Split key rings; round; made of hard steel wire; spring tempered; nickle plated and polished; average weight per card, 3 oz.

1 dozen on a card, assorted.

KRAFT WRAPPING PAPER

IN ROLLS - - List per 100 pounds, $22.50

Stocked in the following sizes and weights

Width of Rolls	*Basis Weight*	*App. weight of Rolls*
12 inch	25 lbs.	17 lbs.
15 inch	25 lbs.	22 lbs.
18 inch	25 lbs.	27 lbs.
24 inch	40 lbs.	40 lbs.
24 inch	60 lbs.	40 lbs.

A lightweight pure Kraft paper of superior strength, appearance and durability.

The basis weights of the above, indicate the weights of a ream (480 sheets) of paper cut 24 x 36 inches in size.

This sheet is a sample of the 40 lb. Kraft supplied in the 24 inch rolls.

Sold also in sheets as shown on page 322

KRAFT WRAPPING PAPER

IN SHEETS - List per 100 pounds, $22.50

Stocked in the following sizes and weights

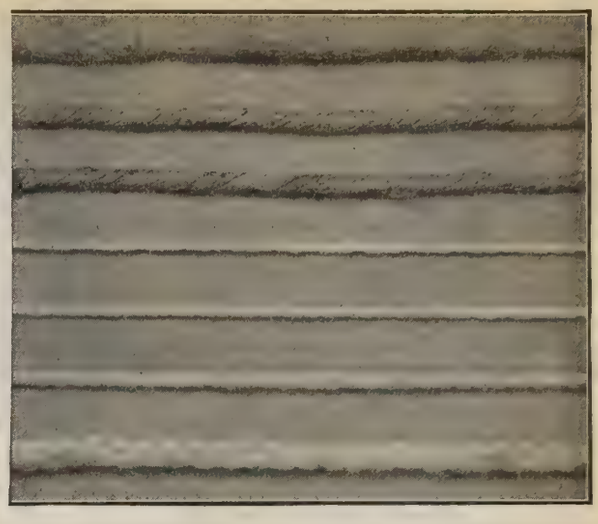
Size of Sheets		*Weight per Ream*		*Reams to Package*
24 x 36 inches	-	60 lbs.	-	1 ream
30 x 40 inches	-	80 lbs.	-	½ ream
40 x 50 inches	-	140 lbs.	-	½ ream
44 x 60 inches	-	200 lbs.	-	½ ream

This is a sample of the 40 lb. Kraft supplied in the 24 inch rolls.

Sold also in rolls as shown on page 321

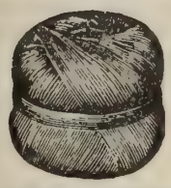
TWINE

3-Ply Cotton
4-Ply Cotton
No. 250
No. 53
No. 254
No. 502
No. 525



No. 503
No. 3226
Nos. 520 521
Seine 12
Seine 18
Seine 27
Seine 72

Illustrations Reproduced from Actual Photograph showing exact sizes and textures.



COTTON WRAPPING—In Balls.

3 1/3 oz. Balls. List per pound 1.14
24 Balls in a cotton bag.

2 oz. Balls. List per pound 1.18
40 Balls in a cotton bag.

3-Ply.
Commercial grade white cotton; sold only in full bags.
5 pounds in a cotton bag.

COTTON WRAPPING—In Cones.

3-Ply. List per pound 1.08

4-Ply. List per pound 1.14
Commercial grade white cotton; on 3-pound cones.
Open stock.

No. 525. List per package 1.70
Unfinished Jute.
Five strand; about 500 feet to the pound; balls weigh about 6 to 7 ounces.
6 balls in a package.

No. 3226. List per package 2.20
Finished India Hemp; Cable Laid.
6-strand; about 90 yards to the pound; in balls weighing about 3 ounces.
12 balls in a package.

No. 502. List per package 2.60
Finished India Hemp.
3 ply; about 500 yards to the pound; balls weigh about 3½ ounces.
12 balls in a package.

No. 250. List per package 3.00
White Cotton Hosiery Twine.
9-Thread, cable laid; about 520 yards to the pound; balls weigh 3½ ounces.
12 balls in a package.

No. 503. List per package 2.90
Finished India Hemp.
4-ply; about 440 yards to the pound; balls weigh about 3½ ounces.
12 balls in a package.

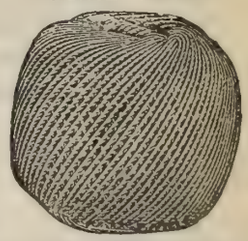
No. 254. List per package 5.10
Finished American Hemp.
4-ply; about 440 yards to the pound; in balls weighing about 4 ounces.
12 balls in a package.

No. 53. List per package 6.50
Finished American Hemp.
3-ply; about 500 yards to the pound; in balls weighing about 4 ounces.
12 balls in a package.

No. 521. List per package 1.80
In balls of about 4 oz.; 12 in a package.

No. 520. List per package 2.80
In balls of about 14 oz.; 6 in a package.
Finished Jute.
6-Ply; about 264 feet to the pound.

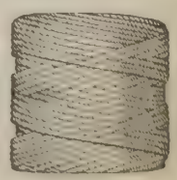
SEINE TWINE



In 1-Pound Balls.

Nos.	12B	18B	27B
List per pound	1.46	1.42	1.42
App. yards in lb.	490	330	220
App. strength, lbs.	24	36	54

Medium Laid.
3-ply; made of highest grade white cotton; 12, 18 and 27 threads (as above).
6 Balls in a package.



On 1-Pound Cylinders.

Nos.	18C	72C
List per pound	1.42	1.42
App. yards in lb.	330	82
App. strength, lbs.	36	144

Medium Laid.
3-ply; made of highest grade white cotton; 18 and 72 threads (as above).
6 Cylinders in a package.

Twine(except Seine Twine) sold only in full Packages; weights and yardage are given for reference only.

PACKING NEEDLES

No. 231.

Length, inches	4½	5	5½	6
List gross	7.20	9.60	11.00	14.40
Gauge No.	12	11	11	9
App. wt. gross, lbs.	1½	2	2¼	3½

Bent.

Best English steel, polished and tempered; flat point; solid eye.

1/4 gross in a paper.

SACK NEEDLES

No. 253.

Length, inches	4½	5	5½
List dozen	4.80	4.80	4.80
App. wt. dozen, oz.	3½	4¼	5

Straight, Spring Eye.

Best English steel, carefully tempered and polished; 9 gauge; flat cutter point; spring eye.

1 dozen in a box.

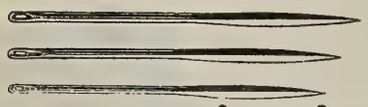
HARNESS NEEDLES

Nos.	4	3	2	1
List per 100	.80	.80	.80	.80
Length, inches	2	2 1/16	2 1/8	2 3/16
Gauge Nos.	20	19½	18½	18
App. wt. 100, oz.	7/8	1	1¼	1½

English cast steel; carefully tempered and polished; oval eye; round point.

1/4 Hundred in a paper.

GLOVERS NEEDLES

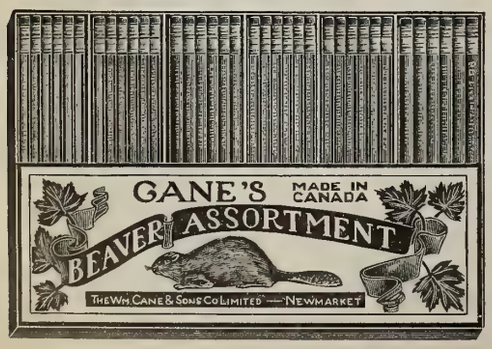


Nos.	3	2	1	1/0
List per 100	1.50	1.50	1.50	1.50
Length, inches	1 51/64	1 55/64	1 59/64	1 61/64
Gauge Nos.	20	19	18½	18
App. wt. 100, oz.	7/8	1	1¼	1 3/8

English cast steel; carefully tempered and polished; oval eye; round point.

1/4 hundred in a paper.

LEAD PENCILS



COUNTER ASSORTMENT.

"Beaver." List per assortment 9.00

1 Gross Pencils.

All 7 inch, HB (soft medium) black lead; round and hexagon shape; gilt tips; pink rubbers; silver stamped; a good selling assortment in an attractive 6-compartment counter display stand; average weight each assortment, 2½ pounds.

Each assortment in a carton.

LEAD PENCILS

DICKENS.

No. 1040. List per gross 4.80

7 inch; No. 2 soft black lead; plain round cedar with inserted rubber; plain stamped; average weight per gross, 1¾ pounds.

1 gross in a box.

VELVET.

No. 556 x 1 Soft Lead. List per gross 14.40

No. 557 x 2 Soft Medium Lead. List per gross 14.40

7½ inch; hexagon shape; walnut gloss finish; blue band; gilt tip with pink rubber; silver stamped; a well known and reliable pencil, with the lead entirely free from grit; average weight per gross, 2¾ pounds.

1/12 gross in a carton; 1/2 gross in a box.

"VENUS."

No. 166 Medium Lead. List per gross 21.60

Copying Pencil; with Point Protector.

7-inch; lead writes black and copies indelible purple; round shape, polished purple finish; silver stamped; nickel plated point protector; unsurpassed for smoothness and durability; average weight per gross, 2¾ pounds.

1/12 gross in a carton; 1/2 gross in a box.

MARKING PENCILS

BLAISDELL.

No. 795. ..... See page 100 for price.

Hardware Black Marking.

6½-inch; paper covered olive green finish; silver stamped; a superior quality, wax crayon for marking tinware, glass, etc.; to sharpen, cut one thickness of paper between the perforations and unwind; average weight per gross, 5 lbs.

1/12 gross in a carton; 1/2 gross in a box.

MARKING CRAYONS

"Staonal."

No. 1. Blue.
No. 1. Black. } ..... See page 100 for prices.

Marking, Checking or Lumber Crayons.

An indelible crayon of unsurpassed quality, water proof, will not rub off; permanent colors, not affected by climatic changes; 6 inches long, 5/16-inch diameter; paper wrapped; pointed; average weight per gross, 5 pounds.

1/12 gross in a carton; 1 gross in a box.

PAPER FILES

No. 24. List per dozen 4.00

Tuscan Bronzed

Cast iron plate 6 x 2¼ inches; No. 9 gauge bent steel wire hook; average weight per box, 2¾ pounds.

10/12 dozen in a box.

No. 38. List per dozen 5.00

7½ Inch Spike.

Tuscan bronzed cast iron base 3¼ inches across; No. 9 gauge coppered steel wire spike, threaded and screwed into base; average weight per box, 4½ pounds.

10/12 dozen in a box.

PAPER CLIPS

No. 240. List per dozen 4.50

Tuscan Bronzed.

Cast iron, 2½ inches wide, 4¼ inches long; brass coil spring; opens 1 inch; average weight per box, 3 pounds.

10/12 dozen in a box.

SCHOOL SLATES

Size, inches	6x9	6½x10	7x11	8x12
List dozen	3.60	4.10	4.30	5.30
Ap. wt. dz., lbs.	11¼	12¾	14	18½

Plain.

Double tenon joint wood frame, ¾ inch wide; sizes given are for the slate without the frame.

Open stock.

SLATE PENCILS

"Compo." List per package 1.20

5-Inch.

Composition pencils, approximately 5 inches long, 3/16 inch diameter; noiseless, will not scratch; packed 5 pencils in a carton; average weight per package, 3/4 pound.

12 cartons (60 pencils) in a package.
Sold only in full packages.

SCHOOL CRAYONS

No. 302. List per gross ..... .80
White, no surface coating.

No. 303. List per gross ..... .90
White, yellow enamel coating.

Round, tapered crayons, 3⅛ inches long, 7/16 inch diameter, tapered to 3/8 inch; fine quality, pure white, smooth-writing; the yellow enamelled crayon will not soil the hands; average weight per gross, 2¼ pounds.

1 gross in a wooden box, with slide top.

COFFEE MILLS

"IMPERIAL."

No. 707. List per dozen 36.00

Dovetailed, hardwood box, filled and varnished in natural color; all wood drawer; Arcadian bronzed cast iron, sliding cover top; cast iron sunken hopper; top adjusting lock-nut; black enamelled cast iron crank with wood knob; dimensions (not including crank) 7 x 7 x 7 inches; average weight per dozen, packed, 36 pounds.

1/2 dozen in a case.

"UNIVERSAL."

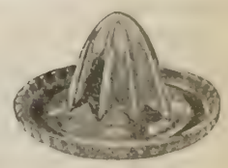
No. 24. List per dozen 36.00

To Attach to Wall.

Black japanned iron case and detachable wall bracket; chilled iron, adjustable grinders; air tight, Mason glass canister, 1-lb. capacity; glass jelly tumbler receiving cup held by coil spring clamp; hardwood crank handle; height over all, 18 inches; average weight per dozen, packed, 83 pounds.

1/2 dozen in a case.

LEMON JUICE EXTRACTORS

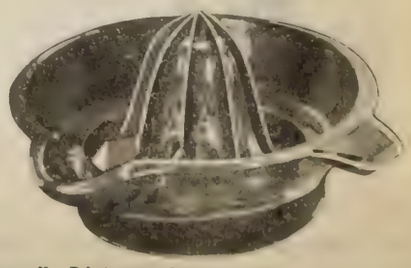


"Small." List per dozen 1.70

For Use With Tumbler.

Clear glass with ridged cone and perforated base; 2¼ inches high, 2⅝ inches diameter; average weight per dozen 3 pounds.

Open stock.



"Large." List per dozen 2.20

Saucer Bowl.

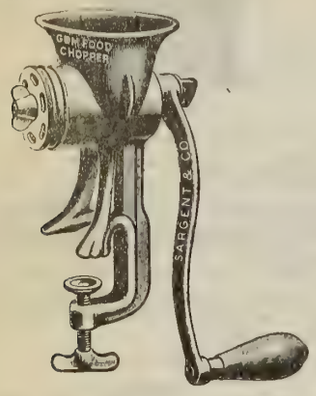
Clear glass with ridged cone; saucer bowl (3/4 inch deep) with lip and handle; 2¾ inches high, 4⅝ inches diameter; average weight per dozen, 9¾ pounds.

Open stock.

FOOD CHOPPERS

"GEM."

Nicely tinned; cast iron body; spiral feed screw; hardwood handle; reversible steel cutters; self-cleaning; self sharpening; all parts interchangeable; each chopper is equipped with five cutters, to pulverize, cut fine, medium or coarse and to make nut butter.

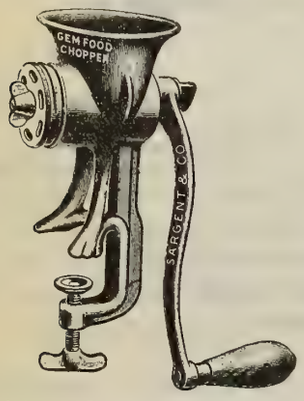


No. 20. List per dozen **43.20**

Family Size.

Capacity 2 pounds per minute; height above table 5½ inches; hopper 3¼ x 2½ inches; diameter of barrel 1⅞ inches inside; table clamp opens 1½ inches; average weight per dozen packed, 76 pounds.

Each in a carton, 1/2 dozen in a case.

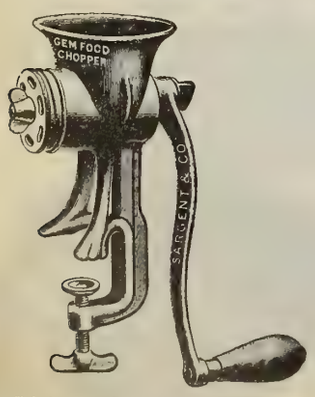


No. 22. List per dozen **51.60**

Large Family Size.

Capacity 2½ pounds per minute; height above table, 6 inches; hopper 3¼ x 4 inches; inside diameter of barrel 1⅞ inches; table clamp opens 1½ inches; average weight per dozen packed, 86 lbs.

Each in a carton, 1/2 dozen in a case.



No. 24. List per dozen **68.40**

Restaurant Size.

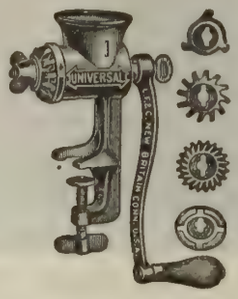
Capacity 3 pounds per minute; height above table, 7¼ inches; hopper 4 x 4¾ inches; inside diameter of barrel, 2¼ inches; table clamp opens 2 inches; average weight per dozen packed, 128 pounds.

Each in a carton, 1/2 dozen in a case.

FOOD CHOPPERS

"UNIVERSAL."

Finely tinned; cast iron one-piece frame; spiral feed screw; hardwood handle; self-sharpening; self-cleaning; all parts interchangeable; clamps securely to table.



No. O. List per dozen **32.00**

Small Family Size.

Capacity 1½ pounds per minute; height above table 4¾ inches; hopper 2¾ x 2⅞ inches; diameter of barrel 1¾ inches; with coarse, medium and fine cutters; average weight per dozen packed, 48 lbs.

Each in a carton, 1/2 dozen in a case.

No. 1. List per dozen **38.40**

Regular Family Size.

Capacity 2 pounds per minute; height above table 5½ inches; hopper 2¾ x 3½ inches; diameter of barrel, 2 inches; with coarse, medium, fine and nut butter cutters; average weight per dozen packed, 64 pounds.

Each in a carton, 1/2 dozen in a case.

No. 2. List per dozen **46.80**

Large Family Size.

Capacity 2½ pounds per minute; height above table, 6 inches; hopper 3¼ x 3⅞ inches; diameter of barrel 2¼ inches; with coarse, medium, fine and nut butter cutters; average weight per dozen packed, 68 pounds.

Each in a carton, 1/2 dozen in a case.

No. 3. List per dozen **62.40**

Hotel and Market Size.

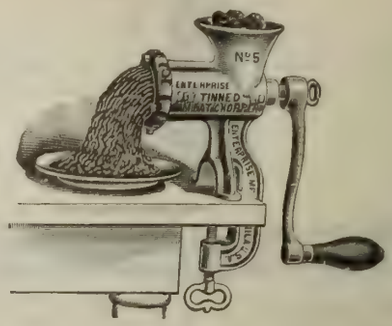
Capacity 3 pounds per minute; height above table, 7 inches; hopper 4 x 4⅞ inches; diameter of barrel 2½ inches; with 4 cutters, very coarse to very fine; average weight per dozen packed, 120 pounds.

Each in a carton, 1/2 dozen in a case.

FOOD CHOPPERS

"ENTERPRISE."

Tinned cast iron frame and spiral feed screw; equipped with one plate with 3/16 inch holes; hardwood handle; all parts interchangeable; strong, durable and simple in construction.



No. 5. List per dozen **61.20**

Small Family Size.

Capacity 1½ pounds per minute; height above table, 6⅛ inches; hopper 3 x 4 inches; table clamp opens 1½ inches; average weight per dozen packed, 70 lbs.

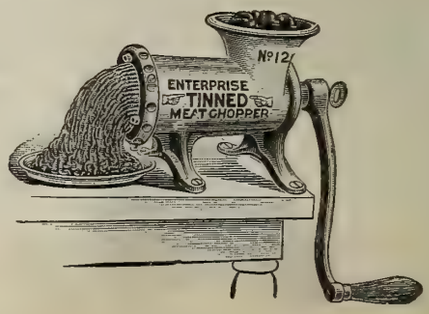
1/2 dozen in a case.

No. 10. List per dozen **100.80**

Large Family Size.

Capacity 3 pounds per minute; height above table, 7½ inches; hopper 4 x 5 inches; improved table clamp opens 1⅝ inches; average weight per dozen, packed 144 pounds.

1/2 dozen in a case.



No. 12. List per dozen **85.20**

Restaurant Size.

Capacity 3 pounds per minute; height above table 6½ inches; hopper 4 x 5 inches; with feet to screw to table; average weight per dozen packed, 130 pounds.

1/2 dozen in a case.

FOOD CHOPPER PARTS

"NEW STANDARD."

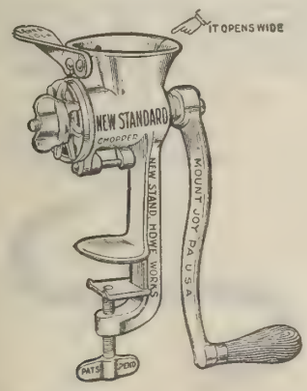
All tinned; cast iron; spiral feed screw; two piece body, hinged underneath, opens wide so that it can be easily and quickly cleaned, firmly held together when in use by lever lock; long crank with hardwood handle; "hold fast" table clamp; each chopper is equipped with four cutters, to pulverize, cut fine, medium and coarse.

No. 1½. List per dozen 34.00

Family Size.

Capacity 2 pounds per minute; 9 inches high over all; hopper 2⅞ x 3⅝ inches; 1½ inch barrel; clamp opens 1¼ inches; average weight per dozen, packed, 45 pounds; each in a carton.

1/2 dozen in a case.

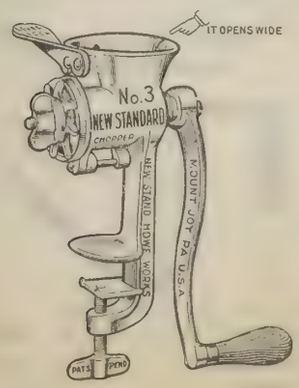


No. 2. List per dozen 39.50

Large Family Size.

Capacity 2½ pounds per minute; 9½ inches high over all; hopper 2⅜ x 3½ inches; 2 inch barrel; clamp opens 1¼ inches; average weight per dozen, packed, 57 pounds; each in a carton.

1/2 dozen in a case.



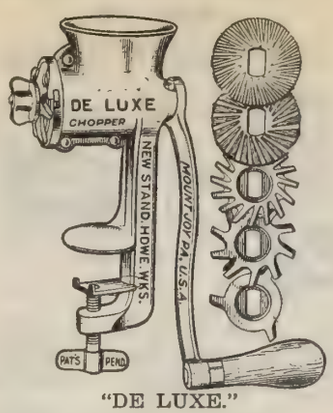
No. 3. List per dozen 48.00

Restaurant Size.

Capacity 3 pounds per minute; 10½ ins. high over all; hopper 3 x 3 x 3¾ inches; 2 inch barrel; clamp opens 1½ inches; average weight per dozen, packed, 62 pounds; each in a carton.

1/2 dozen in a case.

FOOD CHOPPERS



"DE LUXE."

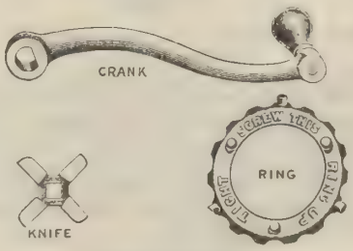
No. 40. List per dozen 30.00

Family Size.

Capacity 2 pounds per minute; height above table 5½ inches; hopper 2¾ x 3½ inches; 1½ inch barrel; "hold fast" table clamp opens 1½ inches. All tinned; cast iron; spiral feed screw; two-piece riveted body; long crank with hardwood handle; with four cutters, to pulverize, cut fine, medium and coarse; average weight per dozen, 46 pounds; each in a carton.

1/2 dozen in a case.

FOOD CHOPPER PARTS



"ENTERPRISE."

Parts for No. 5 Enterprise Chopper.

Cranks or handles. List dozen 8.40

Rings. List dozen 8.00

Knives. List per dozen 6.00

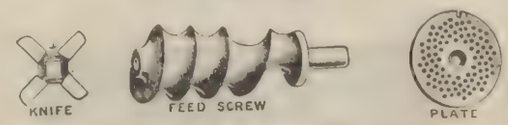
Open stock.

Parts for No. 10 Enterprise Chopper.

Knives. List dozen 7.50

Feed Screws. List dozen 20.40

Open stock.



Parts for No. 12 Enterprise Chopper.

Knives. List dozen 7.50

Feed Screws. List dozen 20.40

Plates—

1/4 inch Holes. List dozen 14.40

5/16 inch Holes. List dozen 14.40

Open stock.

The parts listed above are the ones regularly carried in stock. All other parts can be brought on from the makers.

FOOD CHOPPER PARTS

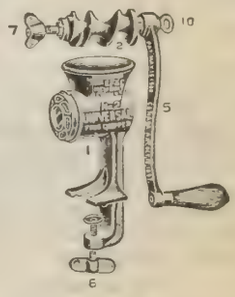
"UNIVERSAL."

Parts for No. 0 Universal Choppers.

Clamp Screws, No. 6. List per dozen ... 2.60

Thumb Nuts, No. 7. List per dozen 2.60

Handle Screws, No. 10. List per dozen .. 2.60



Parts for No. 3 Universal Choppers.

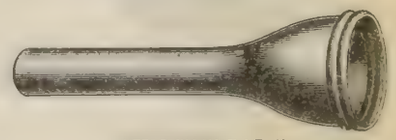
Handles, No. 5. List per dozen 8.40

Thumb Nuts, No. 7. List per dozen 2.60

Open stock.

STUFFING ATTACHMENTS

For Food Choppers.



"UNIVERSAL."

Nos.	2	3
List dozen	12.00	14.40
For chopper, No.	2	3
Diam. base, ins.	2¼	2⅝
Length, inches	6⅛	6⅜
App. wt. doz., lbs.	2¾	3¼

Nickel Plated.

Seamless drawn white metal; 7/8 inch tube; threaded base.

1/12 dozen in a carton.

"ENTERPRISE."

Nos.	5	12
List dozen	16.80	19.20
For Choppers, Nos.	5	10–12
Diam. base, ins.	2	2⅞
Length, inches	5⅛	6
App. wt. doz., lbs.	1	1½

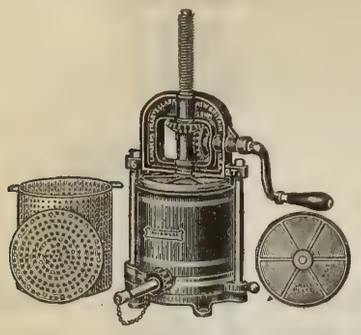
Nickel Plated.

With 3/4 inch corrugated tube.

Open stock.

LARD PRESSES

Combined Fruit and Lard Press and Sausage Stuffer.



"UNIVERSAL."

Nos.	Capacity	Height over all.	App. wt. each, lbs.	List each
4	4-qt.	20 -ins.	51	18.50
6	6-qt.	22 -ins.	71	21.00
8	8-qt.	27½-ins.	77	22.50

Japanned and ornamented cast iron frame; hinged base; tinned plates; bevelled gear and screw movement; perforated tin inside cylinder; lipped for removal from cylinder; japanned iron crank with hardwood handle; with plunger plates, perforated strainer plate and nickle plated stuffer attachment.

1 in a case.

CHERRY STONERS

"Perfection." List per dozen 2.20

Plain steel frame and plunger; 3½ inches long, 2 inches wide, stones cherries rapidly and perfectly; easily operated; average weight per dozen, 2 pounds.

1 dozen in a carton.

"HOME."

No. 150. List per dozen 24.00

Made of the best grade of grey iron, hard baked, blue enamel finish; removes the stone without crushing the cherry; large, self-feeding, rocking hopper 3 x 6 inches; twin pitting sockets; durable and compact; stands 8 inches high above table, 10½ inches high over all; 9½ inches long, 3 inches wide; average weight per dozen, 28 pounds.

1/12 dozen in a carton.

STRAWBERRY HULLERS

NIP-IT

TRADE MARK REGD. U. S. PAT. OFFICE

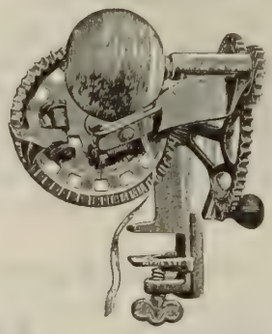
STRAWBERRY HULLER

Nip-It. List per gross ..... .76

Nickel plated flat spring steel; will not crush the ripest fruit; prevents the hands from being soiled; average weight per gross, 3½ pounds.

1 dozen on a display card.
1 gross in a box.

APPLE PARERS



Genuine "Hudson". List per dozen 31.20

"Rocking Table."

Grey cast iron frame and parts; steel blade carefully tempered and sharpened; coppered steel wire coil springs; ebonized wood handle; improved table clamp opens 1⅛ inches; pares close to the fork and has automatic push-off; 4¼ inch gear wheels; average shipping weight per dozen, 30 pounds.

1 dozen in a box.

SLAW CUTTERS

Nos.	625	626
List per dozen	16.00	19.20
Number of knives	1	2
Length, inches	16	17½
Width, inches	6	6
App. wt. doz., lbs.	28	30

Smooth sand finish hard maple; plain bed; improved quality; adjustable knives, carefully tempered, sharpened and polished; wing nut adjustment.

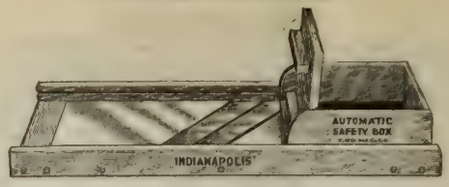
1 dozen in a carton.

Nos.	621	622
List per dozen	16.00	19.20
Number of knives	1	2
Length, inches	16	17½
Width, inches	6	6
App. wt. doz., lbs.	22	23

Clear white hard maple, hand polished; non-adhesive fluted bed; adjustable knives, carefully tempered, sharpened and polished; wing nut adjustment.

1 dozen in a carton.

KRAUT CUTTERS



No. 642A. List per dozen 70.00

Two Knives.

Automatic Safety Box.

Smooth sand finish hard maple; metal bed; pure block tin plates; triple coated highly polished adjustable knives, keenly sharpened; sliding box with automatic lid; 9 inches wide, 27 inches long; average weight per dozen, 86 pounds.

1/4 dozen in a carton.

No. 643A. List per dozen 72.00

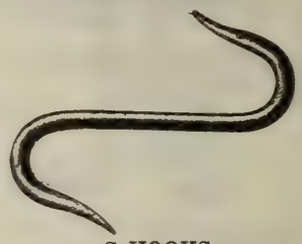
Three Knives.

Automatic Safety Box.

Smooth sand finish hard maple; metal bed; pure block tin plates; triple coated highly polished adjustable knives, keenly sharpened; sliding box with automatic lid; 9 inches wide, 27 inches long; average weight per dozen, 94 pounds.

1/4 dozen in a carton.

MEAT HOOKS



S HOOKS.

Size	3/16x3	1/4x4	5/16x5
List gross	4.50	7.50	12.00
Diameter, inch	3/16	1/4	5/16
Hook extends, ins.	1¼	1½	2
App. wt. gro., lbs.	6	11½	24
Gross in a pkg.	1	1/2	1/2
Length, ins.	3	4	4¾

Tinned, Wrought Steel.
Packed as above.

BAR HOOKS

Size	1/4x3	3/8x4
List gross	7.50	9.00
Diameter, inch	1/4	3/8
Length, ins.	2¾	4
Hook extends, ins.	1⅝	2½
App. wt. gross, lbs.	12	32
Gross in a pkg.	1/2	3/8

For 1/2 Inch Bar.

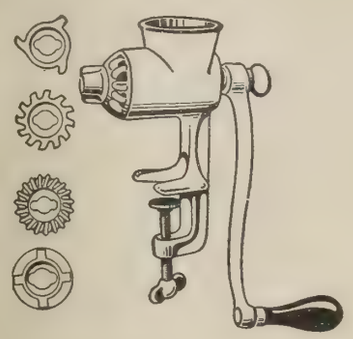
Tinned, Wrought Steel.
Packed as above.

H S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

FOOD CHOPPERS

"MAXWELL'S."

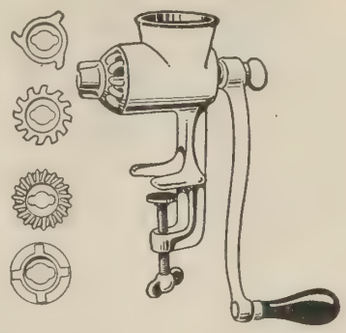
Tinned cast iron one-piece frame; spiral feed screw; self sharpening, self cleaning; all parts interchangeable; hardwood handle; clamps securely to table.



Model 5. List per dozen 39.60

Capacity, 2 pounds per minute, size of hopper at top 2½ x 3⅛ inches, 2⅛ inch barrel, height from top to bottom of barrel 2¼ inches; supplied with 4 accurately ground cast iron cutter plates; average weight per dozen, 57 pounds.

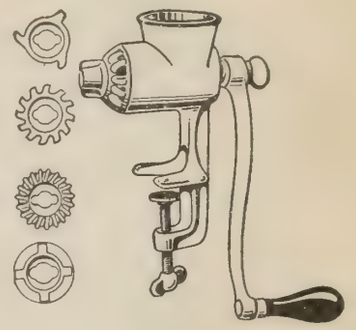
1/12 dozen in a box.



Model 6. List per dozen 43.70

Capacity, 2½ pounds per minute, size of hopper at top 3⅛ x 4 inches, 2⅛ inch barrel, height from top to bottom of barrel, 2⅞ inches; supplied with 4 accurately ground cast iron cutters; average weight per dozen, 60 pounds.

1/12 dozen in a box.



Model 7. List per dozen 61.20

Capacity, 3 pounds per minute, size of hopper at top 4⅛ x 4⅞ inches; 2½ inch barrel, height from top to bottom of barrel, 3¼ inches; supplied with 4 accurately ground cast iron cutters; average weight per dozen, 99 pounds.

1/12 dozen in a box.

FOOD CHOPPER PARTS

"NEW STANDARD."

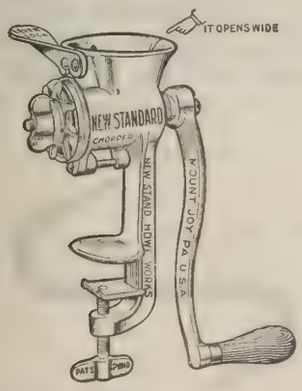
All tinned; cast iron; spiral feed screw; two piece body, hinged underneath, opens wide so that it can be easily and quickly cleaned, firmly held together when in use by lever lock; long crank with hardwood handle; "hold fast" table clamp; each chopper is equipped with four cutters, to pulverize, cut fine, medium and coarse.

No. 1½. List per dozen 34.00

Family Size.

Capacity 2 pounds per minute; 9 inches high over all; hopper 2⅞ x 3⅝ inches; 1½ inch barrel; clamp opens 1¼ inches; average weight per dozen, packed, 45 pounds.

Each in a carton, ½ dozen in a case.

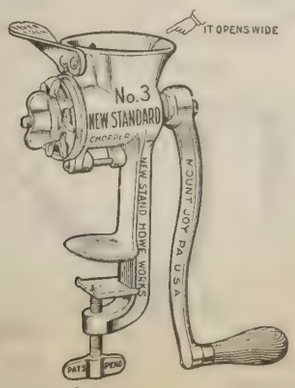


No. 2. List per dozen 39.50

Large Family Size.

Capacity 2½ pounds per minute; 9½ inches high over all; hopper 2⅜ x 3½ inches; 2 inch barrel; clamp opens 1¼ inches; average weight per dozen, packed, 57 pounds.

Each in a carton, ½ dozen in a case.



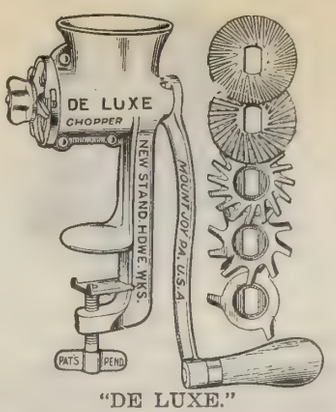
No. 3. List per dozen 48.00

Restaurant Size.

Capacity 3 pounds per minute; 10½ ins. high over all; hopper 3 x 3 x 3¾ inches; 2 inch barrel; clamp opens 1½ inches; average weight per dozen, packed, 62 pounds.

Each in a carton, ½ dozen in a case.

FOOD CHOPPERS



"DE LUXE."

No. 40. List per dozen 30.00

Family Size.

Capacity 2 pounds per minute; height above table 5½ inches; hopper 2¾ x 3½ inches; 1½ inch barrel; "hold fast" table clamp opens 1½ inches. All tinned; cast iron; spiral feed screw; two-piece riveted body; long crank with hardwood handle; with four cutters, to pulverize, cut fine, medium and coarse; average weight per dozen, 46 pounds.

Each in a carton, ½ dozen in a case.

FOOD CHOPPER PARTS

"ENTERPRISE."

Parts for No. 5 Enterprise Chopper.

Cranks or handles. List dozen 8.40

Rings. List dozen 8.00

Knives. List dozen 7.20

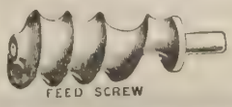
Open stock.

Parts for No. 10 Enterprise Chopper.

Knives. List dozen 8.40

Feed Screws. List dozen 24.00

Open stock.



Parts for No. 12 Enterprise Chopper.

Knives. List dozen 8.40

Feed Screws. List dozen 24.00

Plates—

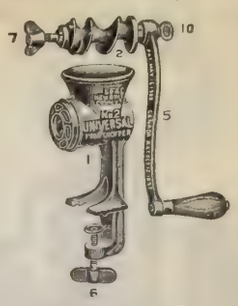
1/4 inch Holes. List dozen 18.00

5/16 inch Holes. List dozen 18.00

Open stock.

The parts listed above are the ones regularly carried in stock. All other parts can be brought on from the makers.

FOOD CHOPPER PARTS



"UNIVERSAL."

Parts for No. 0 Universal Choppers.

Clamp Screws, No. 6. List per dozen 3.50

Thumb Nuts, No. 7. List per dozen 2.60

Handle Screws, No. 10. List per dozen .. 2.60

Parts for No. 3 Universal Choppers.

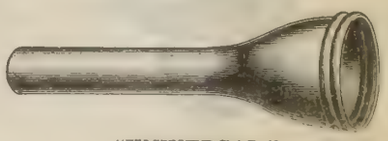
Handles, No. 5. List per dozen 8.40

Thumb Nuts, No. 7. List per dozen 2.60

Open stock.

STUFFING ATTACHMENTS

For Food Choppers.



"UNIVERSAL."

Nos.	2	3
List dozen	12.00	14.40
For chopper, No.	2	3
Diam. base, ins.	2¼	2⅝
Length, inches	6⅛	6⅜
App. wt. doz., lbs.	2¾	3¼

Nickel Plated.

Seamless drawn white metal; 7/8 inch tube; threaded base.

1/12 dozen in a carton.

"ENTERPRISE."

Nos.	5	12
List dozen	18.00	20.40
For Choppers, Nos.	5	10–12
Diam. base, ins.	2	2⅞
Length, inches	5⅛	6
App. wt. doz., lbs.	1	1½

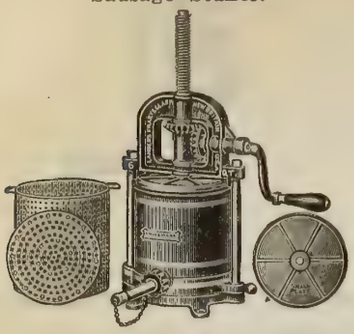
Nickel Plated.

With 3/4 inch corrugated tube.

Open stock.

LARD PRESSES

Combined Fruit and Lard Press and Sausage Stuffer.



"UNIVERSAL."

Nos.	Capacity	Height over all.	App. wt. each, lbs.	List each
4	4-qt.	20 -ins.	51	17.00
6	6-qt.	22 -ins.	71	19.00
8	8-qt.	27½-ins.	77	20.00

Japanned and ornamented cast iron frame; hinged base; tinned plates; bevelled gear and screw movement; perforated tin inside cylinder; lipped for removal from cylinder; japanned iron crank with hardwood handle; with plunger plates, perforated strainer plate and nickle plated stuffer attachment.

1 in a case.

CHERRY STONERS

"Perfection." List per dozen 2.00

Plain steel frame and plunger; 3½ inches long, 2 inches wide, stones cherries rapidly and perfectly; easily operated; average weight per dozen, 2 pounds.

1 dozen in a carton.

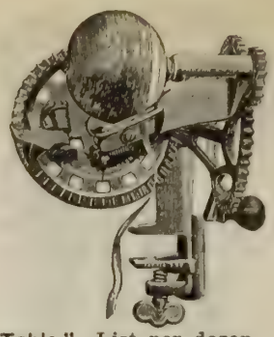
"HOME."

No. 150. List per dozen 24.00

Made of the best grade of grey iron, hard baked, blue enamel finish; removes the stone without crushing the cherry; large, self-feeding, rocking hopper 3 x 6 inches; twin pitting sockets; durable and compact; stands 8 inches high above table, 10½ inches high over all; 9½ inches long, 3 inches wide; average weight per dozen, 28 pounds.

1/12 dozen in a carton.

APPLE PARERS



"Rocking Table." List per dozen 29.50

Grey cast iron frame and parts; steel blade carefully tempered and sharpened; coppered steel wire coil springs; ebonized wood handle; improved table clamp opens 1⅛ inches; pares close to the fork and has automatic push-off; 4¼ inch gear wheels; average shipping weight per dozen, 30 pounds.

1 dozen in a box.

SLAW CUTTERS

No. 625. List per dozen 13.50

One Knife.

Smooth sand finish hard maple; plain bed; improved quality; adjustable knife, carefully tempered, sharpened and polished; wing nut adjustment; size 6 x 16 inches; average weight per dozen, 28 pounds.

1 dozen in a carton.

No. 626. List per dozen 16.50

Two Knives.

Smooth sand finish hard maple; plain bed; improved quality; adjustable knives, tempered, sharpened and polished; wing nut adjustment; size 6 x 17½ inches; average weight per dozen, 30 pounds.

1 dozen in a carton.

No. 621. List per dozen 16.00

One Knife.

Clear white hard maple, hand polished; non-adhesive fluted bed; polished knife carefully tempered and sharpened, adjustable; large forged wing nut; size 6 x 16 inches; average weight per dozen, 22 pounds.

1 dozen in a carton.

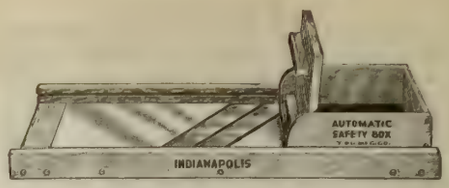
No. 622. List per dozen 19.50

Two Knives.

Clear white hard maple, hand polished; non-adhesive fluted bed; adjustable knives, carefully tempered, sharpened and polished; wing nut adjustment; size 6 x 17½ inches; average weight per dozen, 23 pounds.

1 dozen in a carton.

KRAUT CUTTERS



No. 642A. List per dozen 67.00

Two Knives.

Automatic Safety Box.

Smooth sand finish hard maple; metal bed; pure block tin plates; triple coated highly polished adjustable knives, keenly sharpened; sliding box with automatic lid; 9 inches wide, 27 inches long; average weight per dozen, 86 pounds.

1/4 dozen in a carton.

No. 643A. List per dozen 73.50

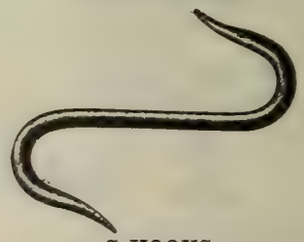
Three Knives.

Automatic Safety Box.

Smooth sand finish hard maple; metal bed; pure block tin plates; triple coated highly polished adjustable knives, keenly sharpened; sliding box with automatic lid; 9 inches wide, 27 inches long; average weight per dozen, 94 pounds.

1/4 dozen in a carton.

MEAT HOOKS

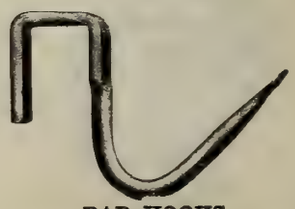


S HOOKS.

Size	3/16x3	1/4x4	5/16x5
List gross	4.80	8.40	13.20
Diameter, inch	3/16	1/4	5/16
Hook extends, ins.	1¼	1½	2
App. wt. gro., lbs.	6	11½	24
Gross in a pkg.	1	1/2	1/2
Length, ins.	3	4	4¾

Tinned, Wrought Steel.

Packed as above.



BAR HOOKS

Size	1/4x3	3/8x4
List gross	8.40	18.00
Diameter, inch	1/4	3/8
Length, ins.	2¾	4
Hook extends, ins.	1⅝	2½
App. wt. gross, lbs.	12	32
Gross in a pkg.	1/2	3/8

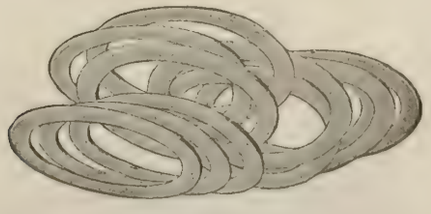
For 1/2 Inch Bar.

Tinned, Wrought Steel.

Packed as above.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

FRUIT JAR RINGS



"PERFECT SEAL."

Red. List per gross 1.96

White. List per gross 1.96

Fits all Sizes of Perfect Seal Fruit Jars.

Manufactured from rubber compound of thoroughly tested quality; packed in attractive cartons containing 1 dozen rings.

1 gross (12 cartons) in a box.

VEGETABLE SLICERS

"VICTORY."

No. 635. List per dozen 9.75

3 Knives; With Safety Guard.

All metal; triple tinned; hammer tempered stamped knives, keenly sharpened; safety sliding guard; heavy wire handle; size over all 4¼ x 15½ inches; average weight per dozen, 9 pounds.

1 dozen in a box.

MEAT POUNDERS

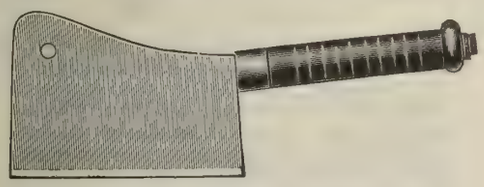
"Gem." List per dozen 3.70

Japanned.

One-piece cast iron; self-color face, 2 inches diameter; pointed blade, 2½ ins. long; 5½ inch handle; length over all, 7¼ inches; average weight per dozen, 7¼ pounds.

1/2 dozen in a box.

MEAT CLEAVERS



Nos.	1	2	3
List dozen	28.50	29.50	34.00
Cut, inches	6⅜	6⅝	7
App. wt. doz., lbs.	18	20	22

English cast steel blade carefully tempered, sharpened, and polished; through tang, rivetted at end of handle; polished steel ferrule; 5½ inch varnished hardwood handle; blade is punched with eye for hanging up; average width, 4½ ins.

1/4 dozen in a parcel.

MINCING KNIVES

No. 5. List per dozen 1.90

Single Blade.

Bright stamped steel blade, 5⅜ inches long, 1⅞ inches wide, sharpened ready for use; rivetted to malleable iron round shank; polished hardwood handle 3¾ inches long; average weight per dozen, 2½ pounds.

1 dozen in a box.

MINCING KNIVES

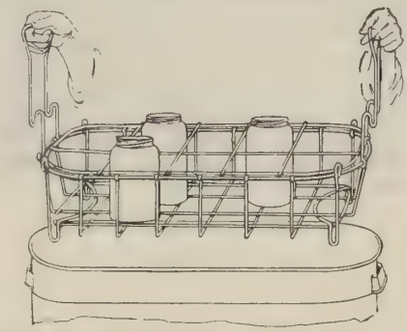
No. 15. List per dozen 3.70

Double Blade.

Bright stamped steel blades, 5⅜ inches long, 1⅞ inches wide, sharpened ready for use; rivetted to malleable iron yoked shank; polished hardwood handle 3¾ inches long; average weight per dozen, 3½ pounds.

1 dozen in a box.

CANNING RACKS



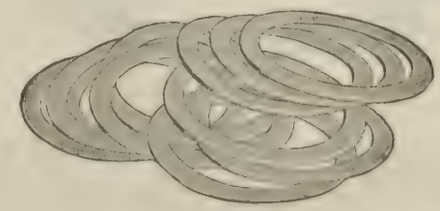
No. 86. List per dozen 17.00

Fits Nos. 8 or 9 Wash Boilers.

For canning all kinds of fruit and vegetables; made of 6, 8½ and 10 gauge retinned steel wire, welded at the intersections, making it light, strong and durable; adjustable division bars on the lid keep the jars from breaking while boiling; hook handles on each end to catch over the ends of boiler; holds 10 pint, 8 quart or 6 half gallon jars; average weight per dozen, packed, 24 pounds.

1/2 dozen in a carton.

RUBBER FRUIT JAR RINGS



Color Size	Red Pint.	Red Quart	White Quart
List gross	1.60	1.58	1.60
App. wt. gross, lbs.	1¾	1⅞	1⅞
Inside diam., inches	2	2⅜	2⅜

12 Cuts to the Inch.

Manufactured from rubber compound of thoroughly tested quality; 1/4 inch wide; packed in attractive cartons containing 1 dozen rings.

12 cartons (1 gross) in a box.

FRUIT JAR SCREW TOPS

"Zinc." List per gross 4.20

One-piece, seamless zinc top with pressed threads; 3⅛ inch outside diameter, 1 inch deep; average weight per gross, 4½ pounds.

Open stock.

FRUIT JAR COVERS

Glass. List per dozen ..... .36

Strong, clear glass top 2 15/16 inches outside diameter, rim 7/16 inch deep; average weight per dozen, 1¾ pounds.

Open stock.

PARAFFINE WAX
or
Sealing Wax.

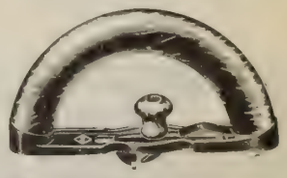
"Parowax." List per pound ..... .21

1/4 Pound Bars.

A tasteless and odorless refined wax for household use; specially prepared for sealing preserves and jellies, laundry work, etc.; size of each cake 5 x 2½ x ⅝ inch; in cartons of 1 pound.

100 pounds in a case.

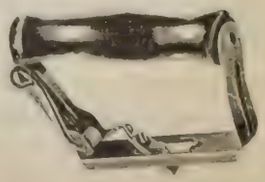
SAD IRON HANDLES



"Potts." List per dozen 3.40

Japanned cast iron spreader, 6 inches long; varnished hardwood grip; flat steel spring lock with wood knob; average weight per dozen, 5½ pounds.

Open stock.



"Universal." List per dozen 4.40

Black japanned pressed steel stretcher and sides in one piece; nickel plated wire lever with coppered steel wire coil spring; polished hardwood handle 4½ ins. long; positive locking device; will fit all makes of Mrs. Potts iron; average weight per dozen, 3¾ pounds.

12 dozen in a case.

SAD IRONS

MRS. POTTS.

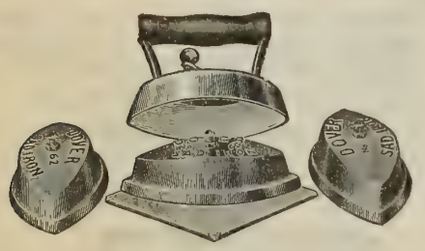
No. 50. List per set 4.20

Nickel Plated.

3 Irons, 1 Handle and 1 Stand in Set.

Solid irons with cast iron top plate; spring lock, detachable, cool handle with stained hardwood grip; one 4, one 4¾ and one 5¼ pound irons in set; average weight per case, 99 pounds.

6 sets in a case.



"DOVER."

No. 60. List per set 4.50

Laundry Set.

3 Cores, 1 Hood and 1 Stand in Set.

Solid metal cores with polished bottoms and aluminum painted tops, each weighing 4¾ pounds (with hood attached); ironing surface 3½ x 6½ ins.; rull nickel plated hood with sliding catch and black polished wood handle and knob; nickeled steel stand, (5½ x 5½ inches) with asbestos bottom; average weight per set, 14½ pounds.

1 set in a carton.

ASBESTOS.

No. 70. List per set 5.20

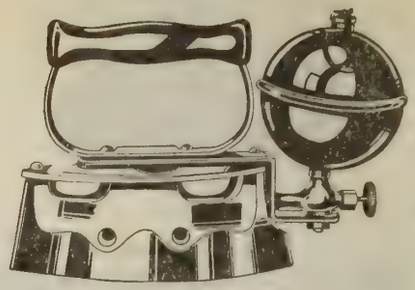
Nickel Plated Laundry Set.

3 Cores, 1 Hood and 1 Stand in Set.

Solid metal cores with nickel plated and polished bottoms, aluminum painted tops, each weighing 5¾ pounds (with hood attached), ironing surface 6½ x 3½ inches; full nickel plated hood, asbestos lined with inner steel shell, equipped with easily operated positive lock and black rubberoid finished wood handle; nickeled steel stand, (5½ x 5½ inches) with asbestos bottom; average weight per set, 15¾ pounds.

1 set in a carton.

GASOLINE SAD IRONS

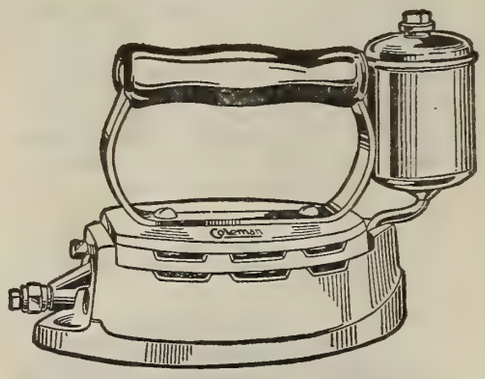


"Comfort." List each 9.50

Nickel Plated.

A safe, easily operated and quick lighting iron; cast iron base and lid; two-piece pressed steel fount; quick removable self-cleaning generator equipped with perfect regulator and positive shut-off against pressure; fount holds 8 oz. of gasoline and will operate the iron from 3 to 4½ hours; double pointed base 7 x 3½ inches, length over all 9 inches, height over all 6¾ inches; ebonized wood handle 5 inches long; weight 5¾ pounds; complete with pump, torch and funnel; average weight each packed, 6¾ pounds.

1 in a carton.



"Coleman." List each 10.00

Nickel Plated.

A safe iron, simple in operation, satisfactory in service; cast iron, double pointed base 7½ x 3¾ inches, with separate fire box; insulated, quick detachable lid; two-piece pressed steel fount; all brass burner with trouble-proof, sharp cone steel point generator; automatic gravity feed eliminates the use of a pump; ebonized wood handle 5 inches long; length over all 10 inches, height over all 7 inches; weight 6 pounds; average weight each packed, 6¾ pounds.

1 in a carton.

ELECTRIC SAD IRONS

"De Luxe." List each 7.50

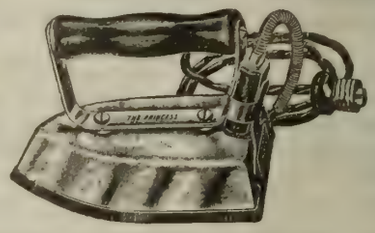
6 Pounds; 110 Volts.

With Back Stand or Rest.

Nickel Plated, Highly Polished.

Designed to give comfortable working conditions; solid metal, flanged, single pointed base, 6⅝ x 3⅞ inches; one-piece pressed steel cover; flat steel handle support with black enamelled wood handle 4⅞ inches long; efficient heating element; substantial terminals; complete with 6-ft. flexible cord with screw plug; average each packed, 6¾ pounds.

1 in a carton.



"Princess." List each 8.70

6 Pounds; 110 Volts.

Full Nickel Plated, Highly Polished.

A reliable iron of pleasing design and correct balance; solid metal single pointed base, 6⅝ x 3⅞ inches; one-piece pressed steel cover; flat steel handle strap with easy grip ebonized handle 5 inches long; quick heating reliable element; rigid terminal posts; complete with 6-ft. flexible cord with separable attachment plug and receptacle, and fire-proof stand; average weight each packed, 7¼ pounds.

1 in a carton.

"WESTINGHOUSE."

No. H.18025. List each 10.60

Highly Polished, Full Nickel Plated.

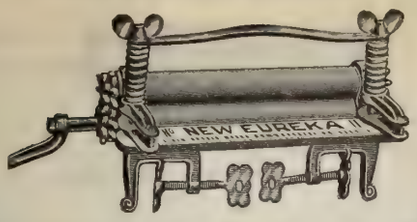
6¾ Pounds; 105-115 Volts.

A superior iron built on graceful lines, finely finished; solid metal, flanged, single pointed base, 6⅞ x 4¼ inches; one-piece steel cover; nickel plated steel handle support with black enamelled wood handle 5 inches long; stamped heating element of unsurpassed heating efficiency; strong terminals; complete with 6-ft. flexible cord with separable attachment plug and receptacle, and fire-proof stand; average weight each packed, 8¾ pounds.

1 in a carton.

H. S. HOWLAND, SONS & CO., LIMITED WHOLESALE HARDWARE, TORONTO, CANADA.

CLOTHES WRINGERS



"New Eureka." List per dozen **120.40**

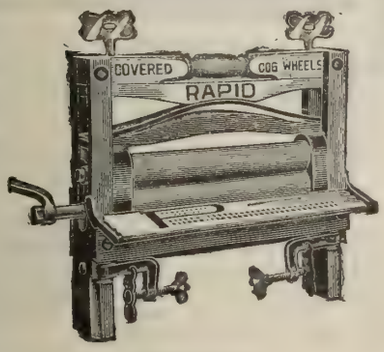
Plain Bearing.

Rolls Warranted 1 Year in Family Use.

Galvanized, heavy malleable frame, 10½ inches high; galvanized, spiral steel springs; standard grade rubber rolls 11 x 1¾ inches, vulcanized to steel shafts; exposed double cog gears; sure-grip tub clamps open 2 inches; average weight per case, 62 pounds.

Manufacturers standard list, $86.00.

1/4 dozen in a case.



"Rapid." List per dozen **120.40**

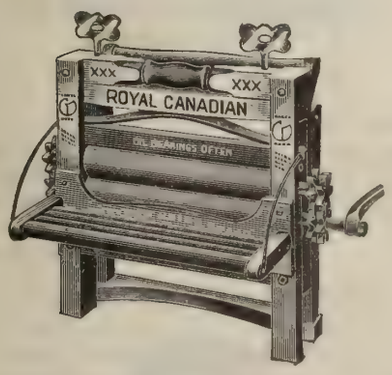
Plain Bearing.

Rolls Warranted 1 Year in Family Use.

Bolted frame of selected hard maple, varnished and printed, 13¾ inches high; standard grade rubber rolls 11 x 1¾ inches, vulcanized to steel shafts; covered cog wheels; flat steel spring; folding apron; sure-grip tub clamps open 1⅞ inches; average weight per case, 68 lbs.

Manufacturers standard list $86.00.

1/4 dozen in a case.



"Royal Canadian." List per dozen **123.20**

Plain Bearing.

Rolls Warranted 1 Year in Family Use.

Strongly bolted frame of selected hard maple, varnished and printed, 14½ inches high; standard grade rubber rolls 11 x 1¾ inches, vulcanized to steel shafts; exposed double cog gears; flat steel spring; folding apron; special clamping device opens 1⅞ inches; average weight per case, 67 pounds.

Manufacturers standard list $88.00.

1/4 dozen in a case.

WAVERLEY CLOTHES WRINGERS

"WAVERLEY."

Plain Bearing. List per dozen .. **123.20**

Rolls Warranted 1 Year in Family Use.

Strongly bolted frame of selected hard maple, attractively varnished and printed, 14½ inches high; standard grade rubber rolls 11 x 1¾ inches, vulcanized to steel shafts; exposed double cog gears; flat steel spring; folding apron; positive clamping device opens 1⅞ inches; average weight per case, 67 pounds.

Manufacturers Standard list $88.00.

1/4 dozen in a case.

"WAVERLEY."

Ball Bearing. List per dozen ... **131.60**

Rolls Warranted 1 Year in Family Use.

Selected hard maple frame, securely bolted, nicely varnished and printed, 13¾ inches high; standard grade rubber rolls 11 x 1¾ inches, vulcanized to steel shafts; steel ball bearings; covered cog wheels; flat steel spring; folding apron; sure-grip tub clamps open 1⅞ inches; average weight per case, 70 pounds.

Manufacturers Standard list $94.00.

1/4 dozen in a case.

CLOTHES WRINGERS

"Security." List per dozen **128.80**

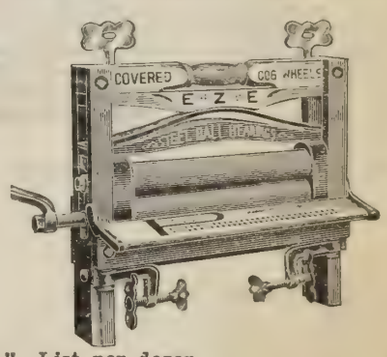
Plain Bearing.

Rolls Warranted 5 Years in Family Use.

Strongly bolted frame of selected hard maple, varnished and printed, 14 inches high; special grade rubber rolls 11 x 1¾ inches, vulcanized to steel shafts; covered cog wheels; flat steel spring; folding apron; sure-grip tub clamps open 1⅞ inches; average weight per case, 68 lbs.

Manufacturers Standard list $92.00.

1/4 dozen in a case.



"Eze." List per dozen **131.60**

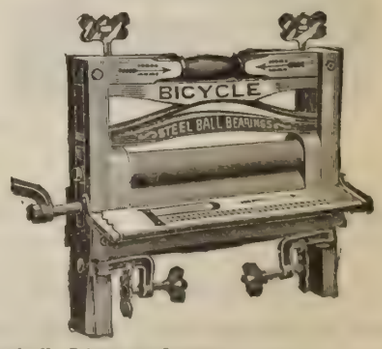
Ball Bearing.

Rolls Warranted 1 Year in Family Use.

Strongly bolted frame of selected hard maple, varnished and printed, 13¾ inches high; standard grade rubber rolls 11 x 1¾ inches, vulcanized to steel shafts; steel ball bearings; covered cog wheels; flat steel spring; folding apron; sure-grip tub clamps open 1⅞ inches; average weight per case, 70 pounds.

Manufacturers standard list 94.00.

1/4 dozen in a case.



"Bicycle." List per dozen **133.00**

Ball Bearing.

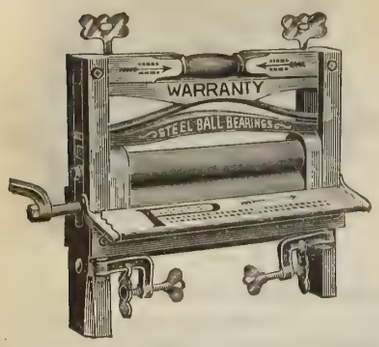
Rolls Warranted 3 Years in Family Use.

Selected hard maple frame, strongly bolted, varnished and printed, 13¾ inches high; extra grade rubber rolls, 11 x 1¾ inches; vulcanized to steel shafts; steel ball bearings; covered cogs; flat steel spring; folding apron; sure-grip tub clamps open 1⅞ inches; average weight per case, 70 pounds.

Manufacturers Standard list $95.00.

1/4 dozen in a case.

CLOTHES WRINGERS



"Warranty." List per dozen **140.00**

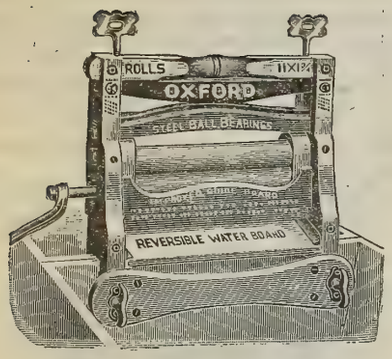
Ball Bearing.

Rolls Warranted 5 Years in Family Use.

Selected hard maple frame, securely bolted, varnished and printed, 14 inches high; special grade rubber rolls 11 x 1¾ inches, vulcanized to steel shafts; steel ball bearings; covered cog wheels; flat steel spring; folding apron; sure-grip tub clamps open 1⅞ inches; average weight per case, 70 pounds.

Manufacturers Standard list $100.00.

1/4 dozen in a case.



"Oxford." List per dozen **161.00**

Ball Bearing.

With Reversible Water Board.

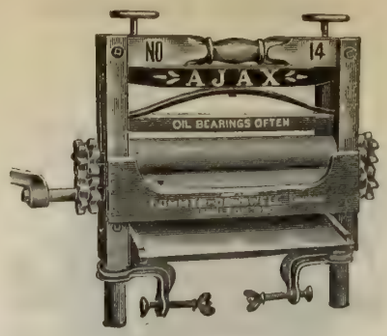
Rolls Warranted 3 Years in Family Use.

Strong bolted frame of selected hard maple, varnished and printed, 15 inches high; especially constructed for stationary tubs, but will fit round tubs; extra grade rubber rolls 11 x 1¾ inches, vulcanized to steel shafts; steel ball bearings; covered cogs; flat steel spring; water board sheds the water either way; special clamp opens 2 inches; average weight per case, 82 pounds.

Manufacturers Standard list $115.00.

1/4 dozen in a case.

CLOTHES WRINGERS



"Ajax." List per dozen **288.40**

Plain Bearing.

With Reversible Water-Board.

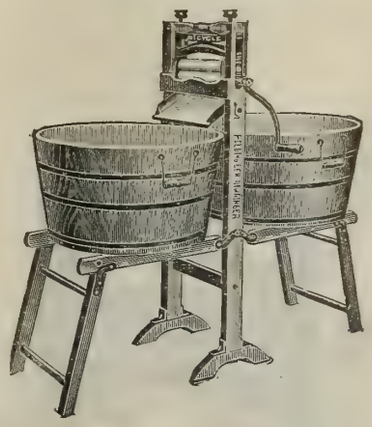
Rolls Warranted 2 Years in Family Use.

Designed for small laundrys, boarding houses, etc. Strong bolted heavy frame of selected hard maple, varnished and printed, 18 inches high; extra grade rubber rolls 14 x 2¼ inches, vulcanized to steel shafts; plain bearings; exposed cogs; heavy two-leaf spring; water board sheds the water either way; powerful tub clamps open 2 inches; built for hard, heavy work; average weight per case, 47 pounds.

Manufacturers Standard list $206.00.

1/12 dozen in a case.

FOLDING BENCH WRINGERS



Sold without tubs.

"Bicycle" Bench. List per dozen **217.00**

Ball Bearing.

Rolls Warranted 3 Years in Family Use.

Selected hard maple wringer frame and stand, securely bolted, carefully varnished and printed, 46 inches high over all.

Wringer:—Has extra grade rubber rolls 11 x 1¾ inches; steel ball bearings; covered cogs; spiral pressure springs; reversible water board.

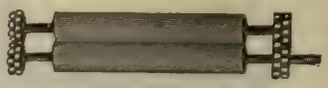
Stand:—Strongly braced, holds two tubs or baskets; length over all, (open) 49 inches; 16 inches wide; tub racks 18 inches from floor.

Average weight per crate, 130 pounds.

Manufacturers Standard list $155.00.

1/4 dozen in a crate.

CLOTHES WRINGER ROLLS



Plain Bearing.

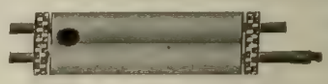
Upper Roll. List per dozen **32.20**
Length over all 15⅞ inches.

Lower Roll. List per dozen **32.20**
Length over all, 18 inches.

Complete.

White rubber rolls 11 x 1¾ inches, vulcanized to ⅝ inch round shaft; galvanized double cogs 1⅝ inches from end of rubber roll; distance from inside to inside of cogs, 14⅛ inches; average weight per dozen, 46 pounds.

Open stock.



Ball Bearing.

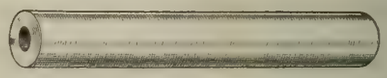
Upper Roll. List per dozen **32.20**
Length over all, 15¾ inches.

Lower Roll. List per dozen **32.20**
Length over all, 17⅞ inches.

Complete.

White rubber rolls 11 x 1¾ inches, vulcanized to 5/8 inch round shaft; galvanized double cogs 5/16 inch from end of rubber roller; distance from inside to inside of cogs 11½ inches; average weight per dozen, 45 pounds.

Open stock.



Without Shaft. List per dozen **22.50**

White rubber tube roll, made of tough wear-resisting stock; 11 inches long, 1¾ inches diameter, 39/64 inch shaft hole; average weight per dozen, 19½ pounds.

Open stock.

CLOTHES WRINGER HANDLES

Wringer Handles. List per dozen **7.20**

Malleable iron, zinc coated, offset crank 10½ inches long; varnished hardwood grip 3½ inches long, through rivetted; average weight per dozen, 9 pounds.

Open stock.

CLOTHES WRINGER SCREWS

Pressure Screws. List per dozen **2.60**

Galvanized, malleable iron 1⅛ inch wheel, 3 x 7/16 inch stem with machine cut threads; average weight per dozen, 4¾ pounds.

Open stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

WASHING MACHINES

Patriot. List each 32.26

Hand Power; Dolly Type.

A high speed machine with cut gears. The balanced fly wheel is seated on steel ball bearings and all metal parts are accurately machined to ensure smooth running. The mechanism is self-contained and bolted to cover, which assisted by a powerful spring, lifts very easily. Selected cypress tub, corrugated inside, 12½ inches deep, 20 inches top diameter, 23 inches bottom diameter—attractively and durably finished. Special wing dolly. All parts which come into contact with water are zinc coated. Average weight crated, 85 pounds.

Manufacturers Standard list, $21.50.
Each in a crate, knocked down.

WASHING MACHINES

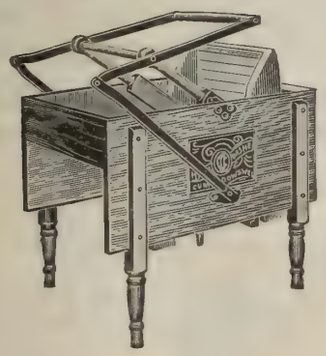
"Jubilee." List each 17.50

Hand Power; Rocker Type.

A durable, substantially made, low priced washing machine; varnished, selected Cypress tub; hard maple handles, legs and rocker; has fixed lower rubbing surface, water tight metal bottom and removable rocker; does excellent work; inside dimensions:—27½ inches long, 19⅛ inches wide, 12 inches deep; average weight each, 60 pounds.

Manufacturers Standard List 12.50.

Each in a crate, knocked down.



"Hamilton". List each 19.60

Hand Power; Rocker Type.

Solidly constructed, easy to work machine; selected Cypress square tub; hard maple legs and rocker equipped with detachable operating lever which permits working the washer without bending over; has fixed lower rubbing surface, removable rocker and water-tight galvanized steel bottom; large or small quantities can be washed at one time without injury to the finest pieces; inside dimensions:—27½ inches long, 19⅛ inches wide, 12 inches deep; average weight each, 63 lbs.

Manufacturers Standard list 14.00.

Each in a crate, knocked down.

WASHING MACHINES

Noiseless. List each 24.50

Hand Power; Dolly Type.

A very easy running machine; simple mechanism enclosed in metal case and bolted to the cover; has no spring, rack, fly-wheel or piece of intricate parts about it; frictionless and powerful. Selected Cypress tub, corrugated inside, 12½ inches deep, 20 inches top inside diameter, 23 inches bottom inside diameter, with three gold bronzed steel bands; hinged lid made of two sections, solidly screwed together; patent lid lock; wood dolly; strong single stave legs 14 x 4 inches with wood cross braces; wood parts outside varnished; all metal parts which come in contact with water are galvanized; average weight each, 72 lbs.

Manufacturers Standard list 17.50.

Each in a crate, knocked down.

"Waverley." List each 30.46

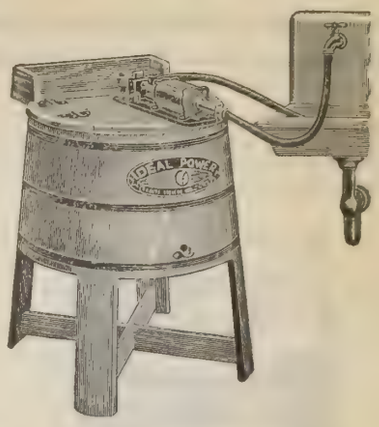
Hand Power; Rub Board Type With Wringer Stand.

A strong, serviceable, easy running swinging tub machine. Selected Cypress tub, 12 inches deep, 24½ inches top inside diameter, 21 inches bottom inside diameter, with three blue enamelled steel bands outside and anti-wraping rust-proof steel hoop inside, corrugated sides with rub bars at bottom and on underside of the agitator; two-piece hinged lid, solidly screwed; hardwood legs and wringer stand bolted securely in position and rigidly braced; stand has hinged top which locks securely; heavy, tempered springs underneath the tub do most of the work and the ball bearings make it run exceptionally smooth; attractively varnished; height over all, 35 inches; average weight each, 102 pounds.

Manufacturers Standard list 21.75.

Each in a crate, knocked down.

WASHING MACHINES



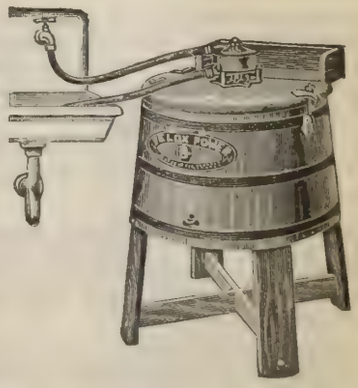
"Ideal." List each 42.00

Water Power; Dolly Type.

Tested, low pressure motor of all brass construction, free from intricate parts, operates on an ordinary city water service with a flow of 3½ gallons per minute or more. Selected Cypress tub 13½ inches deep, 20 inches top inside diameter, 23 inches bottom inside diameter, with three gold bronzed steel bands and inside corrugated sides and bottom; two-piece hinged lid, solidly screwed; patent lid lock; wood dolly; single stave legs 14 x 4 inches with wood cross braces; wood outside parts varnished; inside castings heavily galvanized; complete with hose and attachments all ready to operate; average weight each, 68 pounds.

Manufacturers Standard list 30.00.

Each in a crate, knocked down.



"Velox." List each 42.00

Water Power; Dolly Type.

Accurately machined, solid brass "Success" motor will run satisfactorily on city water pressure; every motor is carefully tested and washing is done by power from an ordinary house tap with a flow of 3½ gallons per minute or more. Seleced Cypress tub, 13½ inches deep, 20 inches top inside diameter, 23 inches bottom inside diameter, with three gold bronzed steel bands, and inside corrugated sides and bottom; two-piece hinged lid, solidly screwed; patent lid lock; wood dolly; strong single stave legs 14 x 4 inches with wood cross braces; wood parts outside varnished; inside castings heavily galvanized; complete with hose and attachments all ready to operate; average weight each, 65 pounds.

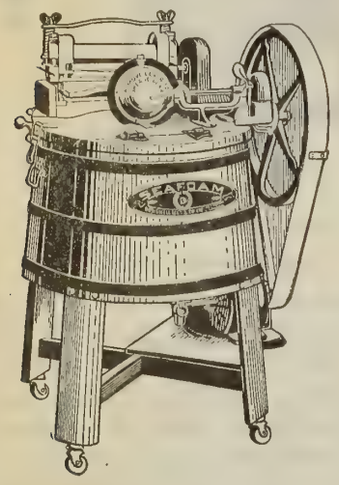
Manufacturers Standard list 30.00.

Each in a crate, knocked down.

ELECTRIC WASHING AND WRINGING MACHINES

When Ordering, Please Give the Following Information:—

Is the current direct or alternating?
If alternating, what is the frequency or number of cycles per second?
What is the voltage?



"Seafoam A." List each 147.00

Dolly Type.

A simple operating, safe and durable machine.

Motor:—Special high grade, 1/4 horse power, splash proof with long flexible cord and attachment plug.

Operating Mechanism:—Of durable construction, fly-wheel and all gears are completely covered.

Tub:—Selected Cypress 13½ inches deep, 20 inches top inside diameter, 23 inches bottom inside diameter, with three enamelled steel bands and inside corrugated sides and bottom; solidly screwed, two-piece hinged lid with patent lock; wood dolly; single stave legs 14 x 4 inches with heavy wood cross braces and strong ball bearing castors.

Wringer:—Metal frame, under instant control may be run in either direction, independently or while washing is being done; cogs are covered and rolls are highest grade rubber.

Height over all, 41 inches; floor space 26 x 26 inches; shipping weight, 215 lbs.

Manufacturers Standard List 105.00.

Each in a crate ready to attach to current.

WASHING MACHINE SPRINGS

"Waverley." List per dozen 7.20

Japanned.

For Waverley and New Century Machines

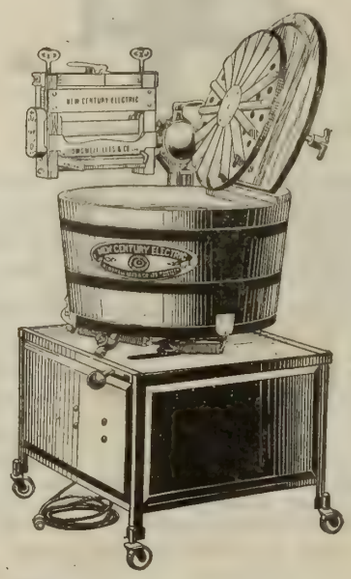
Tempered coil spring of 7 gauge steel wire 1⅜ inch diameter, 5¾ inches long; with lugs at both ends; length over all, 7 inches; average weight per dozen, 11 pounds.

Open stock.

ELECTRIC WASHING AND WRINGING MACHINES

When Ordering, Please Give the Following Information:—

Is the current direct or alternating?
If alternating, what is the frequency or number of cycles per second?
What is the voltage?



"New Century." List each 175.00

Oscillating Tub; Rub Board Type.

A wonderful labor and time saving machine made on correct principles of highest grade materials and expert workmanship.

Motor:—High grade 1/4 horse power, splash proof, with long flexible cord and attachment plug.

Stand:—Made of angle iron, absolutely rigid; castors are large and very strong, heavily enamelled cabinet.

Tub:—Selected Cypress, 12 inches deep, 24½ inches top inside diameter, 21 inches bottom inside diameter, with three enamelled steel bands outside and anti-warping rust proof steel ring inside, corrugated sides with rub bars at bottom and on underside of the agitator; two-piece hinged lid, solidly screwed; its movement is controlled by a lever, and can be started instantly without shutting off the power.

Swinging Wringer:—Hardwood frame; will swing to any position and is reversible; can be operated together with or independently of the washer; instantaneous and effective positive safety release; highest grade rubber rolls 11 x 1¾ ins.; all gears and pulleys are protected, making it safe to operate; height over all, 54 inches; floor space 30 x 27 inches; shipping weight, 290 pounds.

Manufacturers Standard List 125.00.

Each in a crate, ready to attach to current.

WASHING MACHINES

"Playtime." List each 37.80

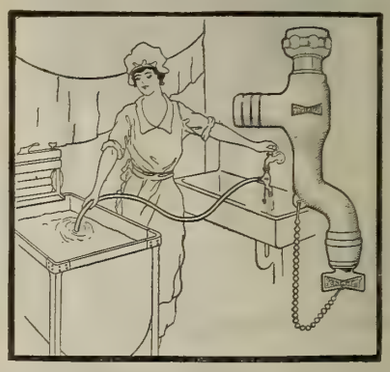
Engine Drive or Hand Power.

An extremely simple machine, ideal for farm use; for power use it can be run by gasoline or steam engine, electric motor or windmill, requires 1/8 horse power and should not run faster than 250 revolutions per minute, can be used as a hand machine without change in mechanism; fitted with both handle and foot tread; selected Cyprus tub 13½ inches deep, 20 inches top inside diameter, 23 inches bottom inside diameter, with three steel bands and inside corrugated sides and bottom; two-piece hinged lid solidly screwed; patent lid lock; wood dolly; single stave legs with wood crossed braces; wood parts varnished outside; internal metal parts heavily galvanized; average weight each, 108 pounds.

Manufacturers Standard List 27.00.

Shipped set up and carefully crated.

WASHING MACHINE DRAINERS



"Penberthy." List each 3.00

White Enamel Finish.

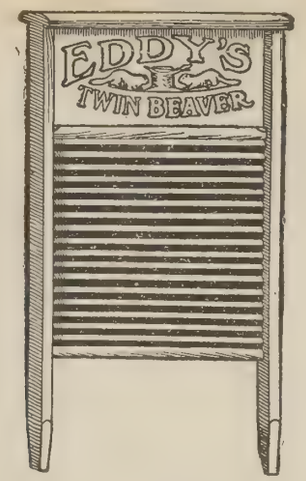
A small and efficient device used for transferring liquids to a higher level by use of water pressure as power; empties washing machines, etc., without effort, simply attach to the faucet and turn on the water; plug in bottom reverses flow and the machine may be filled with clear water; made of aluminum with brass coupling and interior parts; nickel plated improved plug chain; fits faucets up to 3/4 inch; length over all, 6½ inches; average weight each, 10 ounces.

Each in a carton, 6 in a box.

HOSE END ADAPTERS—See page 172.

H. S. HOWLAND, SONS & CO. LIMITED, TORONTO, CANADA.

FIBRE WASHBOARDS



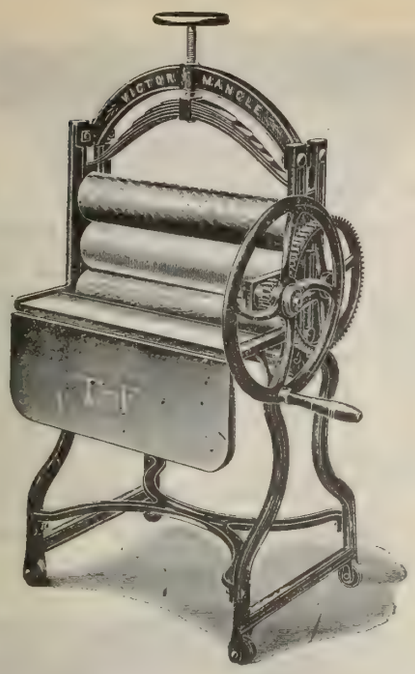
Twin Beaver. List per dozen **11.80**

Two Sided Board.

Strongly made, both rubbing surfaces 10 x 12 inches made of indurated fibre which gives everlasting wear and furnishes a smooth, hard rubbing surface that will neither splinter or crack; average weight per dozen, 18 pounds.

½ dozen in a crate.

CLOTHES MANGLES



"Victor." List each 72.00

Plain Bearing; 3 Rolls.

A double geared, easy turning mangle, painted and decorated, with 17 inch drive wheel and wood handle.

Frame—Heavy cast iron, flanged, with heavy braces, mounted on casters.

Rolls—Selected hard maple, smooth finish, 23½ x 24½ inches.

Table—Hard maple drop leaf 26 x 13½ inches.

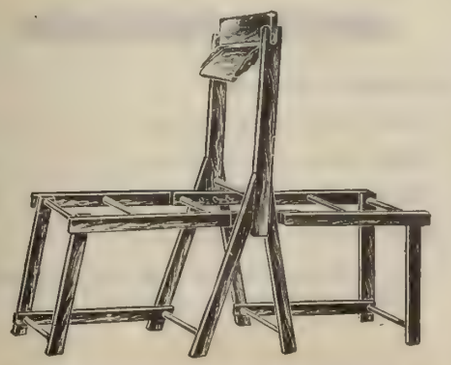
Pressure Spring—6 leaf, tempered cast steel, controlled by wheels handle screw.

Dimensions—54 inches high, spread of legs 26 x 20 inches, occupies 37 x 22 ins. floor space.

Average weight each, crated, 200 pounds.

1 in a crate.

FOLDING WASH BENCHES



Reversible Drip. List per dozen 72.00

Holds wringer, two tubs or baskets; made made of varnished hardwood, screwed and bolted; has reversible water board and galvanized fittings; 19 inches wide, 38 inches high, 18 inches deep when folded, 48 inches when opened, racks 18¾ inches from floor; average weight per dozen, 216 pounds.

1/4 dozen in a crate.

FOLDING WASH BENCHES

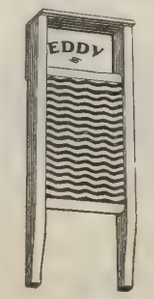
"Dowswell." List per dozen 88.20

A most convenient and useful article for holding a wringer, two tubs or clothes baskets; made of selected hardwood, strongly braced and attractively varnished; reversible water board; zinc coated fittings; 18½ inches wide, 39½ inches high, 11 inches deep when folded, 53½ inches when opened, racks 18 inches from floor; average weight per crate, 80 lbs.

Manufacturers Standard List 63.00.

1/4 dozen in a crate.

WASH BOARDS



"Small." List per dozen 4.90

Single Zinc Surface.

Smooth wood frame and soap box with protector top; 5¼ x 7½ inch waved crimp rubbing surface and solid wood back mortised into frame; ideal for laces, handkerchiefs, etc.; 15¼ inches high, 6½ inches wide over all; average weight per dozen, 10 pounds.

1/2 dozen in a bundle.

"Improved Globe." List per dozen 10.50

Single Zinc Surface.

Smooth wood frame and soap box with dovetailed protector top; 11 x 11½ inch Globe crimp rubbing surface and ventilated wood back mortised into frame; 23½ inches high, 12½ inches wide over all; average weight per dozen, 34 pounds.

1/2 dozen in a bundle.

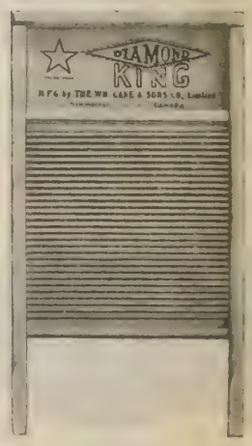
WASH BOARDS

"Pearl." List per dozen 11.96

Enamelled Rubbing Surface.

Smooth wood frame and soap box with dovetailed protector top; 10½ x 11¼ inches crimp rubbing surface and wood back mortised into frame, will not break or wear out, gives an easy washing surface; 23½ inches high, 12¼ inches wide over all; average weight per dozen, 33 pounds.

1/2 dozen in a bundle.



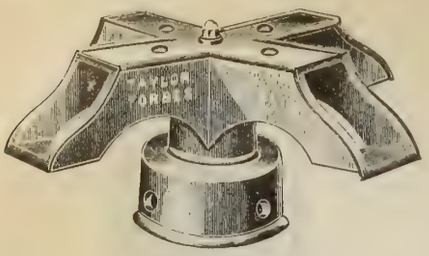
"Diamond King." List per dozen 15.00

Glass Rubbing Surface.

Smooth wood frame and soap box with dovetailed top protector; 10¾ x 11¾ inch corrugated glass rubbing surface, will never wear out, tarnish, corrode or get out of shape; will stand either hot or cold water; gives a perfect washing surface; nailed wood back; 23½ inches high, 12½ inches wide over all; average weight per dozen, 62 pounds.

1/2 dozen in a crate.

CLOTHES LINE REELS

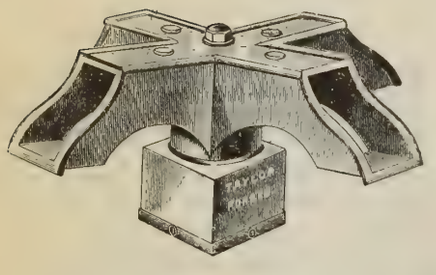


No. 1. List per dozen 38.40

Light Round.

Japanned cast iron; round base 4½ inches inside diameter, 3½ inches deep; revolving reel, 12½ inches diameter with four arm-sockets 2 x 2¼ inches; average weight each, 12 pounds.

Open stock.

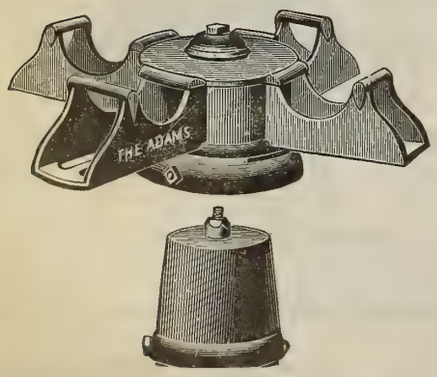


No. 2. List per dozen 40.80

Light Square.

Japanned cast iron; square base 4⅛ x 4⅛ inches inside, 2¼ inches deep; revolving reel, 12½ inches diameter with four arm-sockets 2 x 2¼ inches; average weight each, 12 pounds.

Open stock.



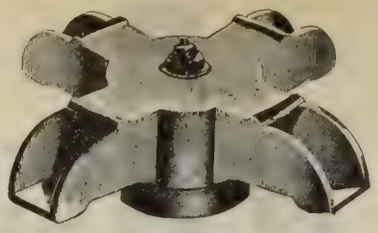
"Adams." List per dozen 51.60

Round Base.

Japanned cast iron; round base with through bolt for 4½ inch post; revolving reel, 14½ inches diameter with four open arm-sockets 1¾ x 2⅛ inches; easy running; average weight each, 15½ pounds.

Open stock.

CLOTHES LINE REELS



No. 8. List per dozen 40.80

Heavy Round.

Japanned cast iron; round base (with through bolt) 4½ inches diameter inside, 2½ inches deep; revolving reel 14½ inches diameter with four arm-sockets 1¾ x 2¼ inches; average weight each, 15 pounds.

Open stock.

No. 5. List per dozen 51.60

Ball Bearing.

Japanned cast iron; round base (with through bolt) for 4½ inch post; revolving reel 14½ inches diameter, with four open arm-sockets 1¾ x 2⅛ inches steel ball bearings; very easy running; average weight each, 14¾ pounds.

Open stock.

CLOTHES LINE PULLEYS

See Pages 49 and 285.

CLOTHES LINES

SISAL.

Length	30-ft.	50-ft.
List dozen hanks	1.90	3.30
App. wt. doz., lbs.	3¾	4½

3-Ply.

3 strand, cable laid; 5/32 inch diameter; in hanks of the above lengths, two connected; sold only in full bundles.

1 dozen hanks in a bundle.

COTTON.

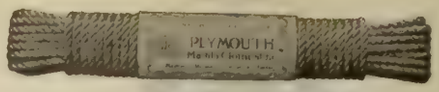
Length	40-ft.	48-ft.	60-ft.
List dozen hanks	6.00	7.20	9.00
App. wt. doz., lbs.	3¾	4¾	5¼

3-Ply.

Three 8-cord strands, cable laid; 1/4 inch diameter; in hanks of the above lengths, four connected; sold only in full packages.

1 dozen hanks in a package.

CLOTHES LINES



MANILA.

50-ft. List per dozen hanks 6.00

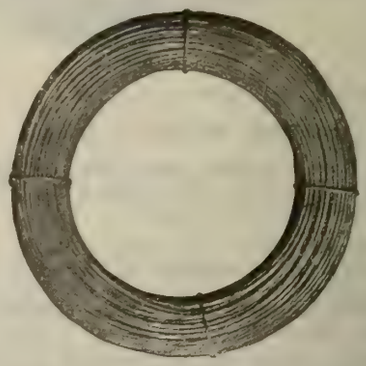
Made of the highest grade pure manila, 6 thread fine, cable laid, 3/16 inch diameter; very pliable and will stand the wear; a first class general utility rope in 50-ft. hanks, four connected, making 200 feet of line; average weight per bundle, 8¾ pounds.

Sold only in full bundles.

1 dozen hanks in a bundle.

CLOTHES LINE WIRE

Twisted soft steel galvanized wire; evenly twisted; pliable.



19 Gauge—6 Strands.

50-ft. Coils.	List 1000 feet	11.30
100-ft. Coils.	List 1000 feet	9.50
150-ft. Coils.	List 1000 feet	9.50

Approximate diameter 7/64 inch; average weight per 1000 feet, 28 pounds.

18 Gauge—7 Strands.

50-ft. Coils.	List 1000 feet	12.70
100-ft. Coils.	List 1000 feet	11.30
150-ft. Coils.	List 1000 feet	11.30
1000-ft. Spools.	List 1000 feet	11.50

Approximate diameter 1/8 inch; average weight per 1000 feet, 42 pounds.

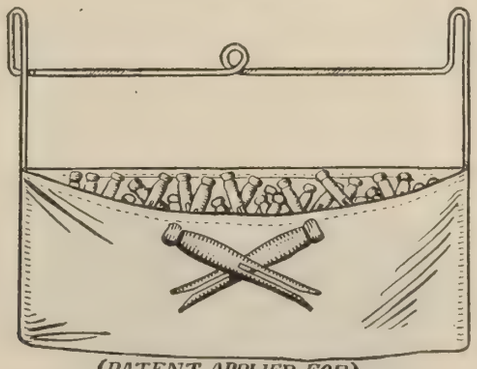
17 Gauge—7 Strands.

50-ft. Coils.	List 1000 feet	15.00
100-ft. Coils.	List 1000 feet	13.70
150-ft. Coils.	List 1000 feet	13.70

Approximate diameter 5/16 inch; average weight per 1000 feet, 35 pounds.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

CLOTHES PIN BAGS



(PATENT APPLIED FOR)

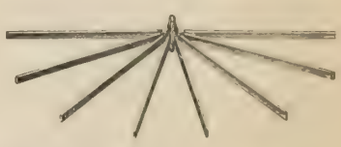
"Ever-Ready." List per dozen 4.00

Slides along any Clothes Line.

Made from heavy white duck, size of bag 14 inches wide, 7½ inches deep; mounted on strong bright wire, looped in the centre for hanging up when not in use; average weight per dozen, 24 lbs.

Open stock.

CLOTHES RACKS

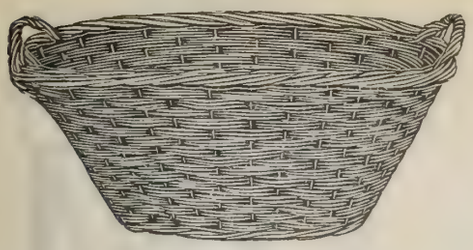


No. 8. List per dozen 7.30

Eight hardwood arms 24 inches long; each arm works independently; nickel plated bracket with supporting hook; can be let down flush with the wall when not in use; weight per dozen, 15 pounds.

Open stock.

CLOTHES BASKETS



WILLOW.

Size	Small	Medium	Large
List dozen	26.40	28.80	31.20
Top, inches	18x23	20x25	21x27
Bottom, inches	11½x15	11½x16½	12x18½
Depth, inches	10½	11½	12
App. wt. doz., lbs.	28	33	39

Made of selected white willow, plain finish; close woven heavy body; strongly braided rim and handles.

1 dozen in a bundle.

CLOTHES PINS

"Common." List per box 2.70

5 Gross in a Box.

Selected hardwood, smooth finish, round head; 4 inches long, 5/8 inch diameter; full count; average weight per box, 15½ pounds.

Sold only in full (wooden) boxes.

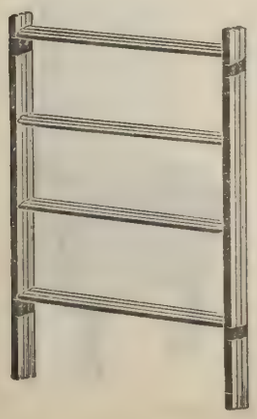
"Spring." List per box 2.90

2 Gross in a Box.

Smooth finish hardwood jaws; galvanized steel wire spring and clasp; opens 1/2 inch; closes firmly; length 3 inches; average weight per box, 7 pounds.

Sold only in full (wooden) boxes.

CLOTHES HORSES



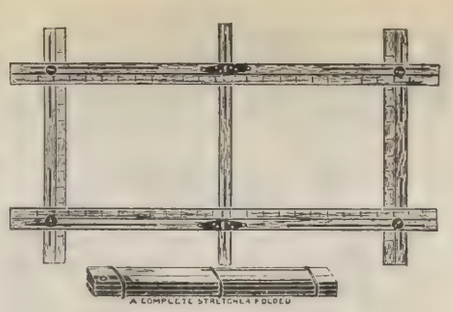
5-ft. Folding. List per dozen 24.00

3-Section.

Smooth finish wood frame and cross bars; uprights 1⅝ x 3/4 inch with rounded edges; each section has four cross bars, 5/8 inch diameter; hinged with strong cotton canvas; 5 feet high, each section 23½ inches wide; average weight per dozen, 102 pounds.

Open stock.

CURTAIN STRETCHERS



"STAR."

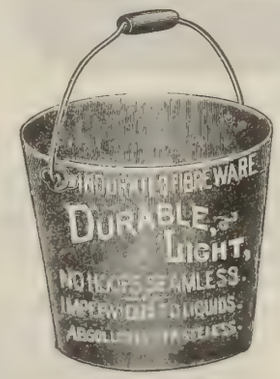
No. 2. List per dozen 62.40

Adjustable; 6 ft. x 12 ft. Frame.

Made of selected white basswood, smooth finish, 1⅞ inches wide; hinged at centre (to fold half length) and stiffened by flat steel blades; wood cross bar in centre; solid brass stationery pins, 2 inches apart; adjusted by screw clamps at corners; average weight per dozen, 150 lbs.

1/2 dozen in a crate.

FIBRE PAILS



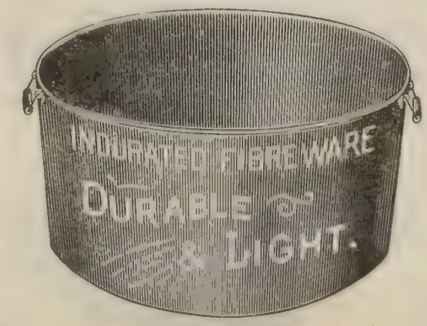
"Star." List per dozen 11.50

Capacity, 2 Imperial Gallons.

Indurated fibre; brown enamelled, no hoops, seamless, impervious to liquids; rivetted steel ears; coppered steel wire bail with wood grip; light and durable; 8⅜ inches high, 10¾ inches diameter at top, 8 inches diameter at bottom, (inside measurements); average weight per dozen, 31 pounds.

1/2 dozen in a stack, nested.

FIBRE TUBS

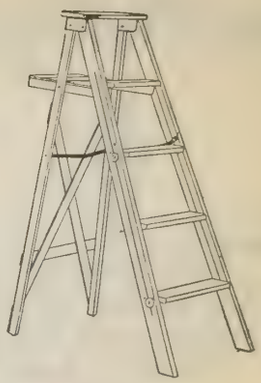


Nos.	3	2	1	0
List dozen	31.20	36.00	43.20	49.50
Cap. Imp. Gals.	6	8	11	15½
Depth, inches	8¾	10	11¾	13¼
Diam. top, ins.	17¼	18¼	20¼	22
App. wt. doz., lbs.	83	110	143	162

Indurated fibre; brown enamelled, no hoops, seamless, impervious to liquids, light durable; rivetted steel ears; coppered steel wire bails with wood grips; (measurements given are inside).

1/4 dozen in a crate, stacked.

STEP LADDERS



SPECIAL

Height, feet	4	5	6
List each	2.30	2.90	3.50
App. wt. each, lbs.	10	12	14

With Shelf.

Well made throughout of clear B. C. fir and spruce; 2⅞ x 3/4 inch risers; wood cross bars on which the top is nailed and the legs hinged; steps are mortised into sides and nailed; 1⅝ x 3/4 inch braced legs; folding pail rack fastened with steel bands locks the ladder when opened.

Open stock.

"WAVERLEY."

Height, feet	4	5	6	7
List each	2.80	3.50	4.10	4.80
App. wt. each, lbs.	12	14	16	18

With Shelf; Bolted.

Clear pine stock; slotted risers 2¾ x 3/4 inch; galvanized steel brackets on which the top is rivetted and the legs hinged; the steps are mortised into the sides and firmly nailed; 3/16 inch truss rod with large washers support every other step, preventing the risers from spreading or the step to sag; steel spreaders securely rivetted; braced legs 1⅝ x 3/4 inch; size of top 14 x 5 inches.

Open stock.

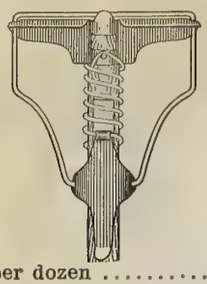
TIN AND GALVANIZED PAILS

See pages 365, 371, 372

GALVANIZED TUBS

See pages ..... 371 and 372

MOP STICKS



No. 8. List per dozen 3.60

Copper Plated Head.

Stamped steel head (6 inches wide) and lever; steel wire grip and coil spring; waxed hardwood handle 15/16 x 28 ins.; average weight per dozen, 15 pounds.

1 dozen in a bundle.

"Crescent." List per dozen 7.40

Combined Mop and Brush Holder.

Japanned steel head, (6 1/4 inches wide) and lever heavy coppered steel wire mop and brush grips; coppered steel wire coil spring; plain hardwood handle 7/8 x 48 ins.; mop cloth and brush can be used separately or both at the same time; average weight per dozen, 17 lbs.

1 dozen in a bundle.

No. 5. List per dozen 8.00

Combination Mop and Brush Holder.

Coppered cast iron head (5¼ inches wide) wing nut and threaded shank; plain hardwood handle 7/8 x 48 inches; opened and closed by turning wing nut; will hold any regular scrubbing brush; average weight per dozen, 19 pounds.

1 dozen in a bundle.

JANITOR.

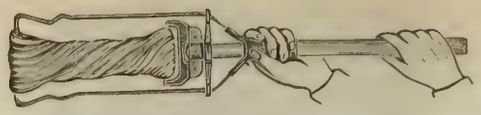
No. 11. List per dozen 9.60

Galvanized Head.

Two-piece stamped steel head, 7 inches wide, firmly rivetted; stamped steel lever with cast iron collar; heavy steel wire grip and coil spring; plain waxed finish hardwood handle, 1 1/16 x 54 ins.; average weight per dozen, 23 pounds.

1 dozen in a bundle.

MOPS



Self-Wringing. List per dozen 8.40

Slide Handle.

Japanned stamped steel hand grip, brace and head; 3/16 inch coppered steel wire frame 6 inches wide, 16 inches long over all; plain hardwood handle 7/8 x 48 inches; specially knitted white cotton mop cloth; wrings by drawing handle back and twisting it round in the frame; average weight per dozen, packed, 20 lbs.

1 dozen in a bundle.

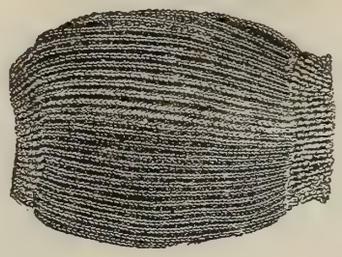
"A." List per dozen 13.00

Crank Wringing.

Stamped steel tube frame; coppered crank and cog wringing attachment with wooden knob; galvanized steel hinged foot plate 7¾ x 3½ inches; specially knitted white cotton mop cloth; plain hardwood handle 7/8 x 48 inches; average weight per dozen, 32 pounds.

1 dozen in a bundle.

MOP CLOTHS



Self-Wringing. List per dozen 5.00

For Self-Wringing Mops.

Specially knitted cotton yarn, light and durable, absorbs water like a sponge; wrings easily; approximately 21 inches long, 8 inches wide; average weight per dozen, 4 pounds.

6 dozen in a parcel.

Flat Cotton. List per dozen 12.50

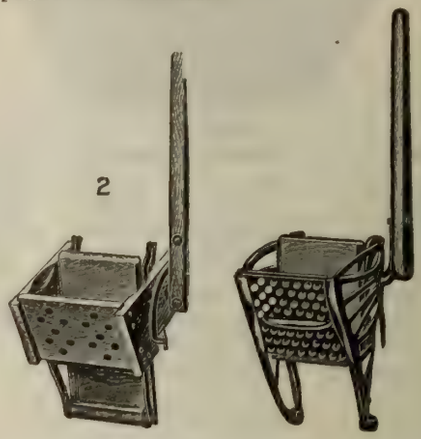
A durable cotton mop of special soft laid 3-ply yarn, soft twisted into ropes of about 1/8 inch diameter; well bound with strong tape; 15 inches long; can be used with any standard make of mop stick; average weight per dozen, 12 pounds.

1 dozen in a bundle.

MOP WRINGERS

"WHITE."

Securely fits any pail without use of screws or nails; with toggle joint gives 400 pounds pressure on the mop with 25 pounds on the handle.



No. 2. No. 1.

No. 2. List each 4.50

Family Size.

Selected hardwood, oil finish, firmly screwed together; japanned steel, compound toggle pressure bar; coppered steel wire springs; 18 inch handle; opening 6⅜ x 4 x 5½ inches deep; 11 inches high (exclusive of handle); for rag or cloth mops; average weight per crate, 43 pounds.

6 in a crate.

No. 1. List each 6.70

Hotel Size.

Oil finish, selected hardwood back, bottom and 19 inch handle; japanned steel sides, front, and compound toggle pressure bar; coppered steel wire springs; opening 7½ x 5 x 6½ inches deep; 13½ inches high (exclusive of handle); for 16 to 28 ounce mops; average weight per crate, 140 pounds.

12 in a crate.

No. 114. List each 5.90

Family Size; All Steel.

Two-piece all steel, 14 gauge black enamelled; no seams, rivets or bolts; lipped water holes; compound toggle pressure bar; japanned steel wire springs; opening 7 x 4½ x 6¼ inches deep, 12 inches high, exclusive 18 inch oil finished hardwood handle; for 8 to 20 ounce mops; average weight per dozen, 115 pounds.

6 in a crate.

BUTTER CHURNS

"DAISY."

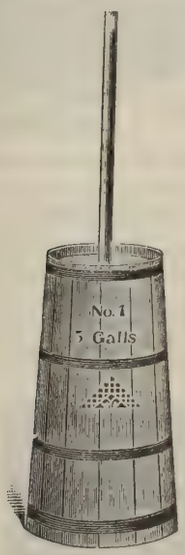
Nos.	1	2	3	4
List each	20.50	21.80	24.00	28.50
Cap., Gals.	9	15	20	25
Churns, gals.	1 to 4	1 to 7	1 to 9	1 to 12
App. wt., lbs.	55	60	70	85

Bow Lever Barrel.

Best seasoned quarter cut white oak barrel, attractively stained and varnished, with black japanned steel hoops; white pine lid with cork rim, large peep hole and grey enamelled ring and castings; strongly rivetted frame of 1 x 3/16 inch flat steel with full sized foot peddle; malleable iron bow lever with wood grip; steel bicycle ball bearings on Nos. 1, 2, and 3; roller bearings on No. 4; all bolts and screws are galvanized and the frame has wheels on the front feet; fitted with removable cream breaker.

Open stock.

DASH CHURNS

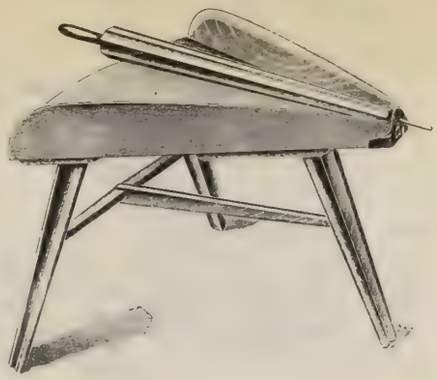


Size, gallons	6	8
List each	4.00	5.00
App. weight each, lbs.	11	11½
Height, inches	22	24
Diameter top, inches	9½	10¼

Made of best selected white cedar, smooth plain finish; all staves are matched, tongued and grooved; perfectly smooth inside; one-piece bottom; one-piece lid set well down in the churn; bound with one flat and three heavy round wire hoops; one-piece perforated dasher with 44 inch handle.

1/2 dozen in a crate.

BUTTER WORKERS



Nos.	1	2
List each	12.00	14.00
Width, inches	32	36
Length, inches	34	34
Height, inches	25	25
App. weight, lbs.	30	36

Smooth finish, white wood table and sides, carefully glued, tongued and grooved; tapering butter worker of selected maple, 44 inches long, with seven sides and steel pin; japanned iron nose; hinged and braced wooden legs which fold under the table when not in use.

Each paper wrapped.

BUTTER MOULDS

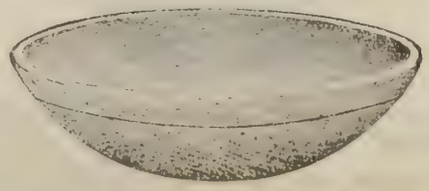
"Daisy." List per dozen 4.80

1-Pound.

Plain finished, thoroughly seasoned maple; oblong; dovetailed top 6¾ x 2¼ inches; put together with brass nails; brass gauge screws; makes one pound prints 4½ x 2⅜ inches; average weight per dozen, 12 pounds.

1 dozen in a carton.

CHOPPING BOWLS

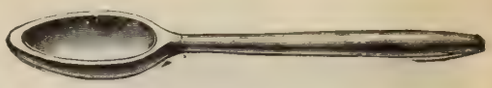


Diam., inches	13	15	17	19
List dozen	10.80	16.80	26.40	31.20
Depth, inches	2¾	3½	4¾	5¾
App. wt. doz., lbs.	23	43	49	77

Made of selected rock maple; uniformly shaped; free from knots; paraffin finish; for butter making, chopping meats, etc.

1 dozen in a crate.

WOODEN SPOONS



No. 42. List per dozen 2.50

14 Inches Long.

Turned from plain hardwood, smooth finish; one-piece handle and bowl; average weight per dozen, 2 pounds.

6 dozen in a carton.

No. 43. List per dozen 2.90

17 Inches Long.

Turned from plain hardwood, smooth finish; one-piece handle and bowl; average weight per dozen, 2¼ pounds.

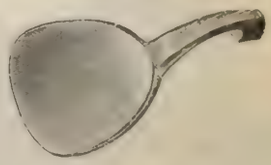
6 dozen in a carton.

BUTTER LADLES

No. 30. List per dozen 2.70

One-piece handle and blade, made of selected white maple, well polished; blade 4 inches wide, 5 inches long; length over all 8 inches; average weight per dozen, 2 pounds.

6 dozen in a box.



No. 33. List per dozen 5.00

Anderson Shape.

One-piece handle and blade, made from clear white sugar maple, paraffin finish; blade 5 inches wide, 5½ inches long; length over all, 10 inches; average weight per dozen, 3½ pounds.

6 dozen in a box.

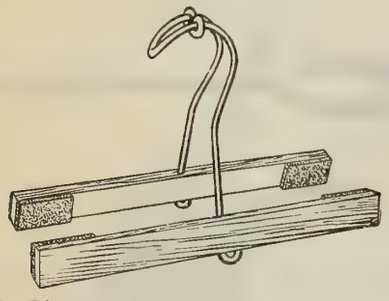
GARMENT HANGERS

No. 39B. List per dozen 3.00

Skirt or Trouser Hanger.

All black enamel finish; made of 20 gauge spring steel, 1 inch wide with bevelled edges; shaped at the centre to allow for folds and seams; winged rivet fastener at one end; folding steel hook; length over all 11 inches; average weight per dozen, 3 pounds.

1 dozen in a carton.

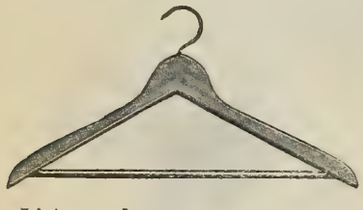


No. 7. List per dozen 1.90

Skirt or Trouser Hanger.

Wood sides, 8 inches long, ¾ inch wide; smooth finish, orange stained, with felt pads at ends; 10 gauge bright wire hook with sliding ring lock; average weight per dozen, 1¾ pounds.

8 1/3 dozen (100) in a carton.



No. 9. List per dozen 2.10

Combination.

Smooth hardwood arms and bar, stained and waxed finish; bright wire steel hook; carefully shaped and sloped with rounded top and bevelled edges; length over all, 17 inches; average weight per dozen, 4½ pounds.

8 1/3 dozen (100) in a carton.

No. 13. List per dozen 3.50

Combination; Wishbone Pattern.

Smooth hardwood arms and bar, stained and waxed; bright wire steel hook; the arms, which are carefully shaped, slope down and curve forward so that the coat is supported to eliminate wrinkling; length over all 16½ inches; average weight per dozen, 4½ pounds.

4 1/6 dozen (50) in a carton.

VEGETABLE PRESSES
or
Fruit Presses.

Round. List per dozen 8.40

Black japanned steel frame-handles, 11½ inches long; perforated tin cup with wire rim, 3¼ inches diameter, 3¼ inches deep; tinned steel plunger; a combined vegetable press and potato masher; average weight per dozen, 21 pounds.

Open stock.

ROLLING PINS

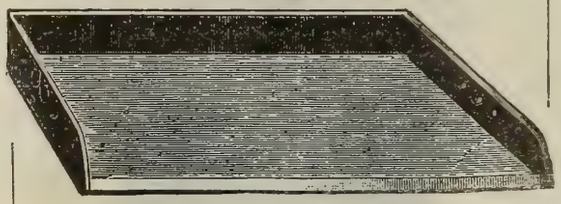
Plain. List per dozen 6.70

Revolving Handles.

Plain, smooth finish hard maple roller, 10½ inches long, 2½ inches diameter plain revolving handles; length over all, 18 inches; average weight per dozen, packed, 24 pounds.

1 dozen in a crate.

BAKE BOARDS



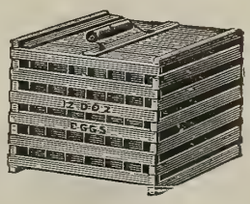
No. 2. List per dozen 24.00

Size 18 x 28 Inches.

Made of selected basswood 3/4 inch thick; tongued, grooved and glued; plain smooth finish; shaped side and back pieces firmly rivetted; average weight per dozen, 94 pounds.

Open stock.

EGG CRATES



"Humpty Dumpty." List per dozen 11.30

12 Dozen Egg Size.

Folding crate of machine sanded hardwood; slat sides of 3/8 x 3/4 inch stock, securely fastened by 12 gauge steel wire rods, solid bottom and top with carrying handle; size 13 x 13 x 12 inches deep.

Fillers are made of cardboard and are collapsible.

Takes up very little room when folded; average weight per dozen, 68 pounds.

Sold only in full crates.

1/2 dozen nested in a crate.

EGG CRATES

"Buggy." List per dozen 13.00

12 Dozen Egg Size.

Made of 3/8 and 1/2 inch pine wood, rough finish, securely nailed, removable top, with one petition in centre; with slats on end for hand holds; 27 inches long, 12½ inches wide, 6 inches deep over all; complete with four cardboard fillers, each filler holding three dozen eggs; average weight per dozen, 60 pounds.

Open stock.

EGG CRATE FILLERS

List per dozen sets 2.70

Made of white cardboard strips 11⅜ ins. long, 2¼ inches deep; 14 strips intersection together to hold 3 dozen eggs; a set consists of four of these sections, together with three cardboard flats 11¼ inches square; average weight per dozen sets, 11 pounds.

37½ sets in a wooden box.

NEST EGGS

Lime. ..... See Page 178 for price.

Disinfectant—Odorless—Durable.

This egg contains calcium carbonate, a disinfectant that is repulsive to lice and vermin; heat retaining; chills very slowly; and exact duplicate of a hen's egg; average weight per gross, 15 pounds.

Open stock.

WATER GLASS

"Septol." List per dozen 3.00

In 1 Pound Tins.

A liquid preparation for preserving eggs; by its use new laid eggs will be fresh after having been kept for a considerable length of time; in friction top cans containing one pound, sufficient for 1 gallon of solution which will preserve 100 ggs; average weight per dozen, 13½ pounds.

Open stock.

STRAINERS

No. 717. List per dozen 4.00

Extension.

Wire cloth bowl, 18 mesh; medium weave; diameter 5½ inches, depth 2½ inches; wire frame closed 11 inches, extended 18 inches; weight per dozen, 4 pounds.

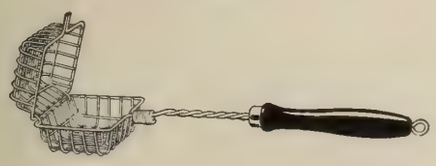
Open stock.

No. 729. List per dozen 2.80

Wire cloth bowl 16 mesh, medium weave; diameter 5 ins.; depth 2¼ ins.; reinforced wire frame and handle; length over all, 11 inches; weight per dozen, 4 pounds.

Open stock.

SOAP SAVERS



No. 416. List per dozen 5.30

Size of body 3 x 2½ x 2 inches; is made of No. 16 wire, 3/8 inch mesh, not woven but electro welded at each intersection; frame and shank is made from No. 12 wire, retinned, rubberoid handle; length over all, 13 inches; weight per dozen, 4 pounds.

1 dozen in a carton.

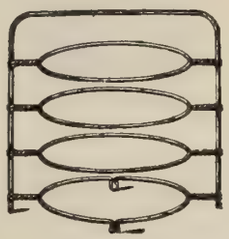
WASTE PAPER BASKETS

No. 255T. List per dozen 12.00

Made of single wire 18 gauge retinned, 1¼ inch mesh, solid tin bottom, diameter at top 15 inches, at bottom 10 inches, height over all 12 inches, weight per dozen, 16 pounds.

One dozen in a carton.

PIE RACKS



No. 381. List per dozen 7.30

4 Rings; Retinned.

11 gauge wire racks; 9 inches in diameter, 6 gauge one piece wire frame; height 10¾ inches; width over all, 12¼ inches; weight per dozen, 7 pounds.

Open stock.

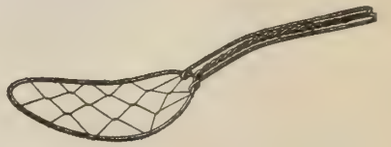
LETTER TRAYS

No. 148. List per dozen 5.50

Made from No. 18 wire, securely fastened to No. 11 wire frame; tinned after made; size 10 x 14 x 3 inches deep, 3/4 inch mesh; four pressed tin knob feet; weight per dozen, 8 pounds.

1 dozen in a box.

EGG BEATERS



No. 341. List per dozen 1.20

One piece 14 gauge wire frame and twisted handle; 21 gauge woven wire blade; weight per dozen, 1½ pounds.

3 dozen in a carton.

CAKE TURNERS

No. L 10. List per dozen 2.60

Trowel shape shank nickel plated steel blade 3½ x 4½ inches, rivetted to shank; stained hardwood handle, 4¾ inches long with nickel plated ferrule; length over all, 10¾ inches; weight per dozen, 2 pounds.

1 dozen in a box.

FLY SWATTERS

"Swatmor." List per dozen 1.60

12 mesh black wire cloth blade (3¾ x 7 inches) folded over coppered wire frame, and bound with black felt; twisted wire shank with ebonized wood handle; length over all, 15½ inches; average weight per dozen, 1⅛ lbs.

2 dozen in a carton.

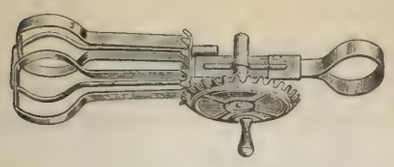
"Swatem." List per dozen 2.30

Long Handle.

12 mesh black wire cloth blade, 8 x 4¾ inches; double folded and bound with high grade black felt; tinned heavy wire shank with inset wood handle, rubberized finish; length over all, 24 inches; average weight per dozen, 2¼ pounds.

1 dozen in a carton.

EGG BEATERS



"Betty Taplin." List dozen 2.50

Minature Size.

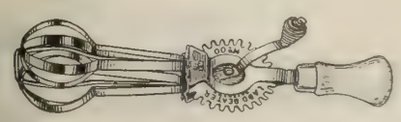
Bright tinned stamped steel; carefully made; side drive gear wheel with stained wood handle; four beating blades with wire supports; loop handle; length over all 5½ inches; greatest width at bottom 1⅝ inches; average weight per dozen, 1¼ pounds.

1 dozen in a carton.

"Dover." List per dozen 3.50

Cast iron gear and handle, brown japanned finish; polished wood crank; four tinned flat beating blades with tinned wire support; length over all, 8¾ inches; average weight per dozen, 4 pounds.

1 dozen in a box.



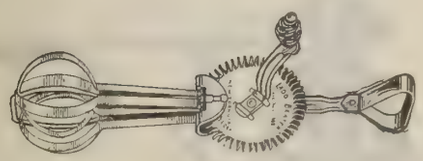
"LADD."

No. 00. List per dozen 9.60

Nickel Plated; 8 Beating Blades.

Stamped steel frame, gears, crank and ferrule; solidly constructed; strong beating blades with heavy wire supports; centre drive gear wheel with coiled wire crank handle; white enamelled wood top handle; length over all 11 inches; greatest width at bottom 3¼ inches; average weight per dozen, 6¼ pounds.

1 dozen in a carton.



"LADD."

No. 1. List per dozen 12.50

All Steel; Full Nickel Plated.

Stamped steel frame, gears, crank and top loop handle; solid construction; eight strong beating blades with heavy wire supports; centre drive gear wheel with coiled wire crank handle; length over all, 11½ inches; greatest width at bottom, 3¼ inches; average weight per dozen, 6½ pounds.

1 dozen in a carton.

CAKE TURNERS

No. 71. List per dozen 2.20

Bright steel, perforated blade 3¼ x 4⅛ inches; 3/16 inch bright steel wire offset shank securely rivetted to blade; nickel plated steel ferrule; 4½ inch stained wood handle; length over all, 14¼ inches; average weight per dozen, 2½ pounds.

1 dozen in a box.

No. 6. List per dozen 3.00

Nickel plated and polished steel blade 4 x 6¼ inches; 3/16 inch bright steel wire offset shank rivetted to blade; nickel plated steel ferrule; 4½ inch ebonized wood handle; length over all 15½ inches; average weight per dozen, 3 pounds.

1 dozen in a box.

FLOUR SIFTERS

"Nemo." List per dozen 6.50

Bright tin ribbed body 5 inches diameter, 6½ inches high with soldered side handle; tinned wire sieve; bright wire agitator and crank with enamelled wood knob; average weight per dozen, 6 lbs.

2 dozen in a carton.

STOVE MATS

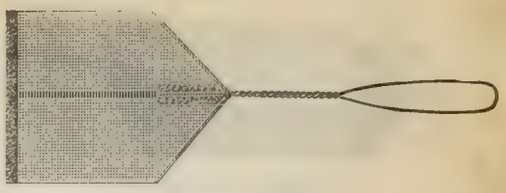
"Asbestos." List per dozen 1.80

8¼ Inches Diameter.

Plain asbestos surface with bright tin rim and handle; for coal or gas stoves; average weight per dozen, 2 pounds.

1 dozen in a carton.

FLY SWATTERS



"Neverbreak." List per dozen 1.00

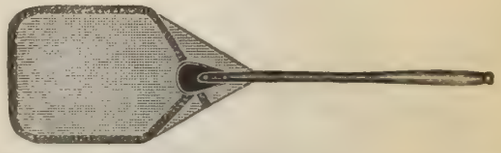
12 mesh black wire cloth blade (4¾ x 6 inches) with folded edges and top corners turned over to hold the handle; 14 gauge tinned steel twisted wire loop handle and brace; length over all, 14 ins.; average weight per box, 2¼ pounds.

3 dozen in a box.

"Canada." List per dozen 1.80

Close twisted coppered wire shank and frame; black enamelled wood handle; frame is edged with velvet and filled with 12 mesh black wire cloth; size of blade, 4¾ x 6½ inches; length over all, 18 inches; average weight per dozen, 1¼ pounds.

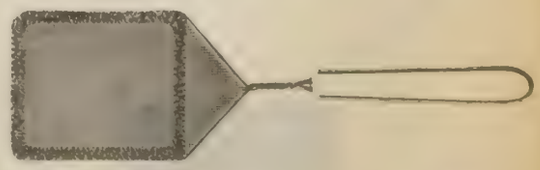
1 dozen in a box.



"Peerless." List per dozen 1.80

12 mesh black wire cloth blade (5 x 6½ inches) with edges folded and bound with black felt; top corners are turned over and add strength to the blade; black enamelled wood handle 10 inches long; length over all, 16½ inches; average weight per box, 3¾ pounds.

3 dozen in a box.



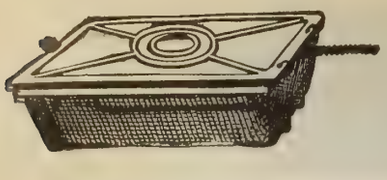
"Imperial." List per dozen 2.00

Long Handle.

12 mesh black wire cloth blade (4¾ x 6 inches); edges are folded and bound with good quality black felt; top corners are turned over to hold the handle; 14 gauge tinned steel twisted wire loop handle and brace; length over all, 24½ inches; average weight per box, 7 pounds.

3 dozen in a box.

CORN POPPERS

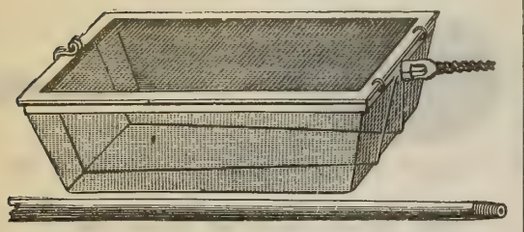


No. 2. List per dozen **5.30**

Capacity 1 Quart.

Square, woven wire body and tin cover (6½ x 4½ x 2⅜ inches), 8 mesh to the inch; bright tin bound edges and cover; coppered steel brace wires and catch; 18 inch red stained handle; average weight per dozen, 6¾ pounds.

1 dozen in a carton.



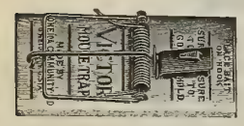
No. 7. List per dozen **8.00**

Capacity 2 Quarts.

Square, woven wire body and cover (8¾ x 6¾ x 3 inches), 8 mesh to the inch; bright tin bound edges; coppered steel brace wires and catch; 24 inch red stained handle; average weight per dozen, packed, 10½ pounds.

1 dozen in a carton.

MOUSE TRAPS



"Victor." List per gross **5.10**

Hardwood base 3⅞ inches long, 1⅞ inch wide, 1/4 inch thick; coppered steel wire spring, bail and trigger; copper plated steel bait pan; sure to go, sure to hold; average weight per gross, 12 pounds.

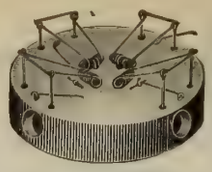
1/12 gross in a box.

"Hold-Fast." List per gross **6.50**

Hardwood base 3⅞ ins. long, 1⅞ inches wide, 1/4 inch thick; coppered steel wire spring, bail and trigger; metal clad wood bait pan; average weight per gross, 10½ pounds.

1/12 gross in a box.

MOUSE TRAPS



WOOD CHOKER.

4 Holes. List per gross **31.00**

One-piece red stained wood block 4½ ins. diameter, 1⅛ inches high, 7/8 inch holes; springs, triggers and bait hooks are made of coppered steel wire; average weight per dozen, 3 pounds.

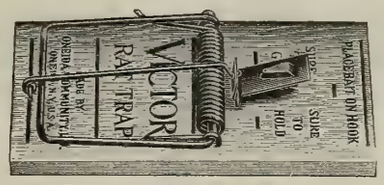
Open stock.

"Delusion." List per dozen **5.10**

Red stained wood box with lacquered tin front, bottom and trip; hinged lid; 5¼ inches long, 5½ inches wide over all, 2½ inches high; self setting; catches the mice alive; automatically closing door and cage; average weight per dozen, 4⅞ pounds.

Open stock.

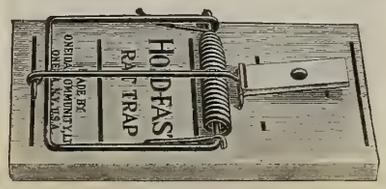
RAT TRAPS



"Victor." List per dozen **2.30**

Hardwood base 7 ins. long, 3 7/16 inches wide, 5/8 inch thick; heavy coppered steel wire spring, bail and trigger; coppered steel base pan; sure to go, sure to hold; average weight per dozen, 7 pounds.

1 dozen in a box.



"Hold-Fast." List per dozen **2.40**

Hardwood base 7 ins. long, 3 7/16 inches wide, 5/8 inch thick; heavy coppered steel wire spring, bail and trigger; metal clad wood bait pan; average weight per dozen, 7 pounds.

1 dozen in a box.

BIRD CAGE SPRINGS

No. 2. List per dozen ..... **.90**

Spring Only.

Brass plated steel wire, 18 gauge; spring 2⅛ inches long, 5/8 inch diameter; with hook and loop; length over all, 3¾ ins.; average weight per box, 3¼ pounds.

6 dozen in a box.

No. 6. List per dozen **2.70**

Spring and Chain.

Spring exactly the same as the No. 2 spring listed above with 19½ inches of brass plated ladder chain and hanging hook; length over all, 24 inches; average weight per box, 3 pounds.

Each in a carton, 3 dozen in a box.

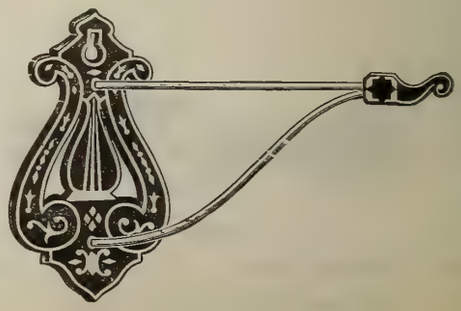
BIRD CAGE HOOKS

No. 12. List per dozen **4.50**

Amber Bronzed.

Cast iron swinging hook with detachable wall plate; hook 9½ inches long; plate 2 x 3⅛ inches; packed with screws to match; average weight per dozen, 6¾ pounds.

1 dozen in a box.



No. 50. List per dozen **4.50**

Amber Bronzed.

Cast iron wall plate 3½ inches wide, 6 inches long; 8 gauge steel wire braced rod with cast iron hook; extends 9 ins.; average weight per dozen, 5¾ pounds.

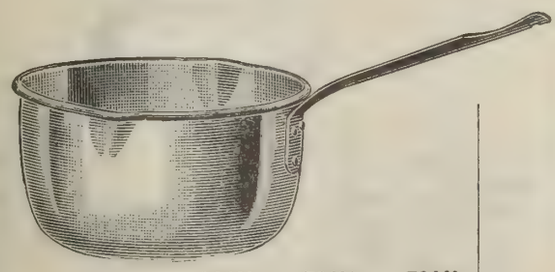
2 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

ALUMINUM WARE

Made of finest grade metal; accurately stamped and spun; uniform throughout; sanitary beaded rims; ears and handles are of cold rolled steel, heavily tinned and firmly rivetted; wood handles and grips are of sound kiln-dried stock, ebonized finish; all pieces finely finished.

LIPPED SAUCE PANS



Nos.	7042L	7043L	7044L
List dozen	10.80	15.60	18.00
Trade size	2 qts.	3 qts.	4 qts.
Imp. pints	3¼	5	6½
Diam. top, ins.	7⅝	8⅜	9
Depth, ins.	3⅜	4	4⅜
App. wt. doz., lbs.	4	7½	9½

Light Weight; Twin Lipped.

Seamless; rivetted, steel (cool) handle with eyelet; polish finish outside.

Open stock; paper wrapped.

No. 10.

Size, pints	2	3	4
List dozen	8.40	9.60	12.00
Imp. pints	1½	2½	3¼
Diam. top, ins.	5¾	6½	7
Depth, ins.	2½	3	3⅝
App. wt. doz., lbs.	5	5¼	6

Standard Weight; Lipped.

Seamless; improved hollow steel handle; polish finish outside.

Open stock; paper wrapped.

COVERED SAUCE PANS

No. 30.

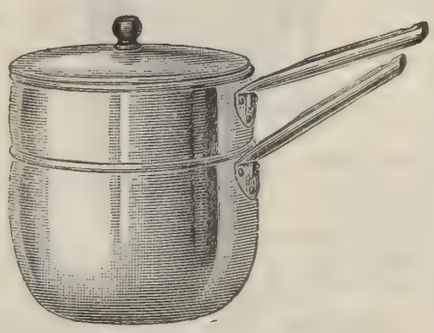
Size, pints	4	6	8
List dozen	20.40	24.00	27.60
Imp. pints	4	5	6½
Diam. top, ins.	5½	6	6¾
Depth, ins.	4⅝	4⅞	5¼
App. wt. doz., lbs.	8½	9	12

Standard Weight.

Seamless, improved hollow steel handle; cover with rivetted ebonized wood knob; polish finish outside.

Open stock; paper wrapped.

DOUBLE BOILERS

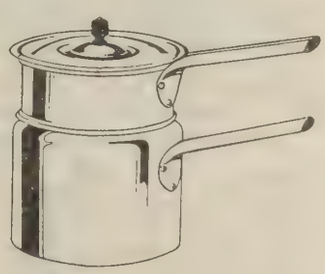


Nos.	1091½L	1092L
List dozen	24.00	27.60
Outside Pans		
Trade size	2 qts.	2¾ qts.
Imp. pints	3¼	4½
Diam. top., ins.	6⅜	7
Depth, ins.	3⅞	4½
Inside Pans		
Trade size	1½ qts.	2 qts.
Imp. pints	2½	3¼
Diam. top, ins.	6¼	6⅞
Diam. bot., ins.	5⅜	5½
Depth, ins.	3⅜	3⅞
App. wt. doz., lbs.	9¾	12

Light Weight.

Seamless; hollow steel, (cool) handles; cover with "No-burn" knobs fits both pans; polish finish outside.

Open stock; paper wrapped.



No. 50.

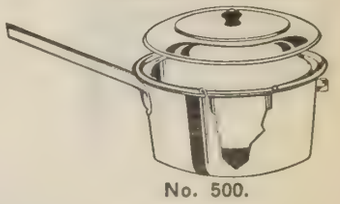
Size, pints	2—4	4—6	6—8
List dozen	36.00	39.60	54.00
Outside Pans.			
Imp. pints	3¼	5	6½
Diam. top, ins.	4⅜	5½	6⅜
Depth, ins.	4⅜	5	5⅜
Inside Pans.			
Imp. pints	1½	3¼	5
Diam. top, ins.	4⅜	5½	6⅜
Diam. bot., ins.	4	4⅞	5⅞
Depth, ins.	4½	5⅛	6
App. wt. doz., lbs.	11	14½	22½

Standard Weight.

Seamless; improved hollow steel handles; cover with rivetted wood knob will fit either pan.

Open stock; paper wrapped.

CEREAL COOKERS



No. 500.

6 Pint size. List per dozen 38.40

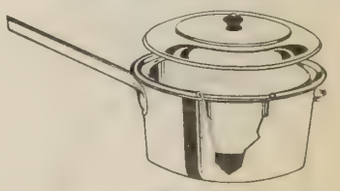
Standard Weight.

Outside Pan:—Seamless body, shaped to support the inner boiler, heavy beaded rim; improved hollow steel handle; beaded cover with ebonized wood knob; polish finish outside; diameter at top 8½ inches, diameter at bottom 7¼ inches, depth 5⅛ inches; holds five Imperial pints.

Inner Boiler:—Seamless; plain finish; 9/16 inch perforated rim with beaded edge; diameter at top 7¼ inches, diameter at bottom 6½ inches, depth 2⅞ ins.; holds three Imperial pints.

Average weight per dozen, 16 pounds.

Open stock; paper wrapped.



No. 500.

9 Pint size. List per dozen 43.20

Standard Weight.

Outside pan:—Seamless body; shaped to support the inner boiler, heavy beaded rim; improved hollow steel handle; beaded cover with ebonized wood knob; polish finish outside; diameter at top 9¾ inches, diameter at bottom 8 inches, depth 4⅞ inches; holds eight Imperial pints.

Inner boiler:—Seamless; plain finish; 5/8 inch perforated rim with beaded edge; diameter at top 8¼ inches, diameter at bottom 7¼ inches, depth 3⅛ inches; holds four Imperial pints.

Average weight per dozen, 18 pounds.

Open stock; paper wrapped.

DIPPERS

No. 280.

2 Pint size. List per dozen 9.60

Standard Weight.

Holds 1 1/2 Imperial Pints.

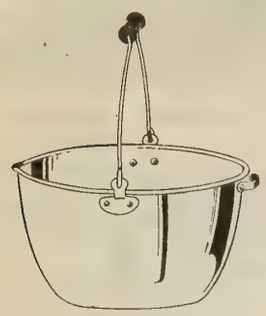
Seamless; improved hollow steel handle with eyelet; polish finish outside; diameter at top 5¼ inches, diameter at bottom 4⅛ inches, depth 3¼ inches; average weight per dozen, 5 pounds.

Open stock; paper wrapped.

Trade capacities and sizes are the makers figures, the Imperial capacities, which are approximate, are given for reference only.

ALUMINUM WARE

PRESERVING KETTLES



No. 20.

Size, pints	12	14	20
List dozen	25.20	27.60	42.00
Imp. pints	9¾	11	16
Diam. top, ins.	10	10⅞	11¾
Diam. bottom, ins.	7¼	7¾	8¾
Depth, ins.	4¾	5¼	6⅜
App. wt. doz., lbs.	9	15	20

Lipped; Standard Weight.

Seamless, with heavy beaded rim; bail rest ears and tilting handle; heavy wire bail handle with wood grip.

Open stock; paper wrapped.

Nos.	7054L	7055L	7056L
List dozen	20.40	22.80	24.00
Trade size	4 qts.	5 qts.	6 qts.
Imperial pints	6½	8	9¾
Diam. top, ins.	9⅛	10	10
Diam. bot., ins.	6⅝	7½	7½
Depth, ins.	4⅜	4¾	5¼
App. wt. doz., lbs.	9	12	13½

Nos.	7058L	7060L	7062L
List dozen	30.00	35.00	45.00
Trade size	8 qts.	10 qts.	12 qts.
Imperial pints	13	16	19
Diam. top, ins.	11	12⅛	13⅛
Diam. bot., ins.	8	8¼	9½
Depth, ins.	6	6⅜	6⅝
App. wt. doz., lbs.	15½	18	19½

Light Weight.

Seamless body; rivetted bail-rest ears and tilting handle; wire bail handle with wood grip; polish finish outside; Sun-Ray finish inside.

Open stock; paper wrapped.

BERLIN KETTLES

No. 40.

Size, pints	6	8	10	12
List dozen	24.00	27.60	31.20	36.00
Imp. pints	5	6½	8	9¾
Diam. top, ins.	6	6¾	7¾	8
Depth, ins.	4⅞	5¼	5½	6⅛
Ap. wt. doz., lbs.	8	11	13	15

Covered; Standard Weight.

Seamless; bail rest ears and tilting handle; wire bail handle; cover with rivetted ebonized wood knob.

Open stock; paper wrapped.

POTATO POTS

No. 420.

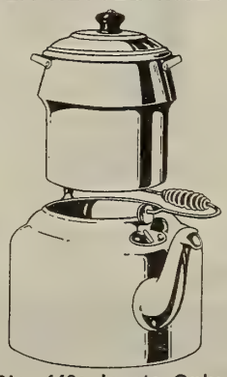
Size, pints	8	10	12
List dozen	38.40	43.20	48.00
Imp. pints	6½	8	9¾
Diam. top, ins.	6¾	7¾	8
Diam. bot., ins.	6¼	7⅜	7½
Depth, ins.	5⅜	5⅜	6¼
App. wt. doz., lbs.	12	15	17

Standard weight.
With Lid Holder Bail Handle.

Seamless; smooth welded open strainer spout; steel ears and side handle; wire bail handle with wood grip shaped to hold the lid when tilting the pot; cover with ebonized wood knob; polish finish outside.

Open stock; paper wrapped.

TEA KETTLE INSETS



No. 440; Insets Only.

Size 12. List per dozen 19.20

Standard Weight.
Fits No. 150 x 8, 10 and 12 Tea Kettles.
Holds 3 Imperial Pints.

Seamless; rivetted aluminum side handles; cover with rivetted ebonized wood knob; polish finish outside; top diameter 5 inches, bottom diameter 4½ inches, depth 5¼ inches; average weight per dozen, 5 pounds.

Open stock; paper wrapped.

TEA KETTLES

Nos.	7033½L	7035L
List dozen	38.40	42.00
Trade size	3½ qts.	5 qts.
Imp. capacity	5½ pts.	8 pts.
Diam. top, ins.	4⅜	5⅛
Diam. bot., ins.	7¾	9
Depth, inches	4¾	5⅝
App. wt. doz., lbs.	16	20

Light Weight.

Seamless; smooth welded spout; bail-rest ears; wire bail handle with wood grip; flanged lid with "No-burn" knob; polish finish outside.

1/12 dozen in a box.

No. 150.

3 Pint size. List per dozen 43.20

Standard Weight.
Holds 2½ Imperial Pints.

Daisy pattern seamless body, smooth welded spout; steel bail rest ears; wire bail handle with ebonized wood grip; cover with rivetted ebonized wood knob; polish finish outside; diameter of top 3½ inches, diameter of bottom 6¾ inches, depth 3½ inches; average weight per dozen, 10 pounds.

Open stock; paper wrapped.

No. 150.

Size, pints	8	10	12
List dozen	57.60	62.40	67.20
Imp. pints	6½	8	9¾
Diam. top, ins.	5	5	5⅛
Diam. bottom, ins.	7¾	8¼	8½
Depth, ins.	4¾	5	5¼
App. wt. doz., lbs.	16½	18	21

Standard Weight.

Straight pattern seamless body, smooth welded spout; plain rim; steel bail rest ears; wire bail handle with ebonized wood grip; cover with rivetted ebonized wood knob; polish finish outside.

Open stock; paper wrapped.

Trade capacities and sizes are the makers figures, the Imperial capacities, which are approximate, are given for reference only.

ALUMINUM WARE

TEA POTS

No. 230A—GLOBE.

Size, pints	3	4
List dozen	48.00	54.00
Imp. pints	2½	3¼
Diam. top, ins.	3¼	3⅜
Diam. bottom, ins.	4	4¼
Depth, inches	5¼	5⅜
App. wt. doz., lbs.	7	7½

Standard Weight.

Seamless body; smooth welded strainer spout; rivetted ebonized wood handle and cover knob; polish finish outside.

Open stock; paper wrapped.

No. 230B—PERKY.

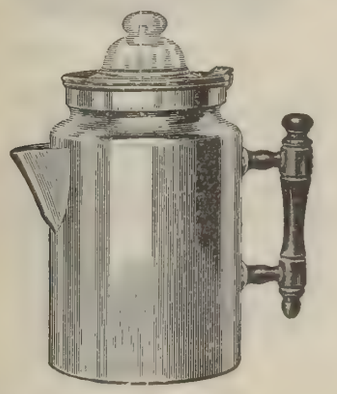
Size, pints	3	4
List dozen	48.00	54.00
Imp. pints	2½	3¼
Diam. top, ins.	3⅛	3⅜
Diam. bottom, ins.	4½	5
Depth, inches	4¾	5¼
App. wt. doz., lbs.	7	7¾

Standard Weight.

Seamless body; smooth welded strainer spout; rivetted ebonized wood handle and cover knob; polish finish outside.

Open stock; paper wrapped.

COFFEE PERCOLATORS



No. 5232L. List per dozen 28.80

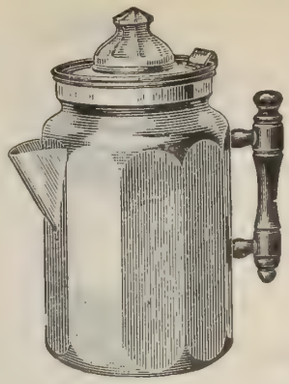
Light Weight.

Trade Size—2 Quarts.

Seamless body; clinched open strainer spout; tightly rolled sanitary beads, upturned on cover; glass top cover with nickeled brass hinge; ebonized detachable handle; substantially constructed percolating inset; polish finish outside; diameter at top 4¼ inches, diameter at bottom 4¾ inches; depth 7½ inches; holds 3¼ Imperial pints; average weight per dozen, 11 pounds.

1/12 dozen in a box.

COFFEE PERCOLATORS



No. 5432L. List per dozen 30.00

Colonial Design; Light Weight.

Trade Size—2 Quarts.

Seamless body, given added strength by Colonial angles; clinched open strainer spout; tightly rolled sanitary beads upturned on cover; glass top cover with nickeled brass hinge; ebonized detachable handle; substantially constructed percolating inset; polish finish outside; diameter at top 4¼ inches, diameter at bottom 4¾ inches, depth 7½ inches; holds 3¼ Imperial pints; average weight per dozen, 11 pounds.

1/12 dozen in a box.

No. 5422H. List per dozen 63.60

Colonial Design; Standard Weight.

Trade Size—2 Quarts.

Seamless body; smooth welded strainer spout; tightly rolled sanitary beads; glass top cover with nickeled brass hinge; ebonized detachable handle; substantially constructed percolating inset with perforated cover; polish finish outside; diameter at top 4⅞ inches, diameter at bottom 4 inches, depth 6¾ ins.; holds 3¼ Imperial pints; average weight per dozen, 18 pounds.

1/12 dozen in a box.

GLASS PERCOLATOR TOPS

No. 2540. List per dozen 1.20

Standard Size.

Clear glass; heat resisting; 2⅛ inches high, 2⅛ inches outside diameter at bottom; average weight per dozen, 2¼ lbs.

1/2 dozen in a box.

COFFEE PERCOLATORS

"UNIVERSAL."

Nos.	64	69
List each	8.00	10.30
Capacity	4 cups	9 cups
Diam. top, ins.	3⅞	4¾
Depth, inches	5	6
Height over all, inches	7½	9
App. wt. each, lbs.	2½	3¼

Heavy seamless body with patented spreader plate; smooth welded strainer spout; loose cover with heat-proof glass top; ebonized wood handle; "Universal" percolating inset with patented pump and perforated cover; highly polished finish outside; metal stove plate with each percolator. 1 in a carton.

"UNIVERSAL."

No. 86. List each 6.80

6 Cups Capacity.

Heavy seamless body with patented spreader plate; smooth welded strainer spout; loose cover with heat-proof glass top; ebonized wood handle; "Universal" percolating inset with patented pump and perforated cover; highly polished finish outside; diameter at top 4⅜ inches, depth 6¼ inches; height over all 8½ inches; average weight each, packed, 3 pounds; metal stove plate with each percolator. 1 in a carton.

CASSEROLES

No. 4977H. List each 3.90

Trade Size—2 Quarts.

Frame:—Figured and perforated; heavy handles and feet firmly rivetted; open bottom; polish finish outside; height over all 4¾ inches; 7 7/16 inch inside diameter.

Pot:—Seamless; polish finish outside, Sun-ray finish inside; diameter at top inside 7¼ inches, depth 3⅜ inches; holds 3¼ Imperial pints.

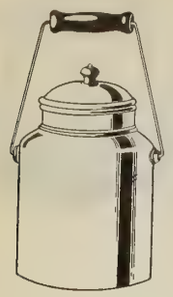
Cover:—Wide flanged rim with solid aluminum knob; polish finish outside.

Average weight each, 2 lbs. 1 in a box.

Trade capacities and sizes are the makers figures, the Imperial capacities, which are approximate, are given for reference only.

ALUMINUM WARE

MILK PAILS or Oyster Pails.



No. 400.

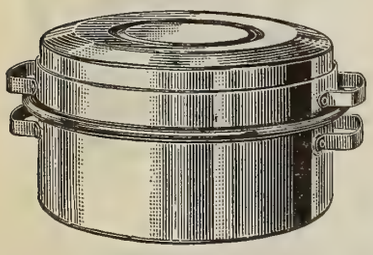
Size, pints	4	6
List dozen	26.40	31.20
Imp. pints	3¼	5
Diam. top, ins.	3⅝	3¾
Diam. bot., ins.	4¾	5¼
Depth, ins.	6⅛	7¼
App. wt. doz., lbs.	7½	8½

Standard Weight.

Seamless body with narrow top; steel ears; wire bail handle with wood grip; deep flanged lid with rivetted ebonized wood knob; polish finish outside.

Open stock; paper wrapped.

ROUND ROASTERS



No. 5354L. List per dozen 32.40

Light Weight.

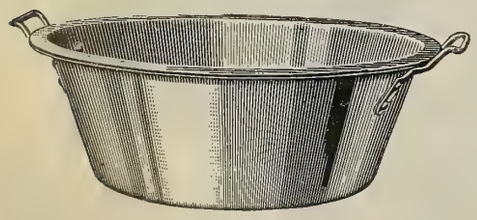
Seamless pan; rivetted, heavily tinned, cool, steel handles; self basting cover; polish finish outside; Sun-ray finish inside.

Lower Pan:—Trade size 4½ quarts; holds 3½ Imperial quarts; 10½ inches diameter, 3⅞ inches deep.

Cover Pan:—Trade size 2½ quarts; holds 2 Imperial quarts; 10 inches diameter, 2⅜ inches deep.

Average weight per dozen, 19 pounds.
1/12 dozen in a box.

DISH PANS



No. 7610L. List per dozen 32.40

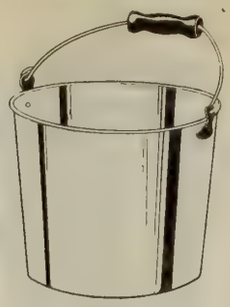
Light Weight.

Trade Size—10 Quarts.

Seamless; wide rim; rivetted tinned steel wire handles; polish finish outside, Sun-ray finish inside; diameter at top 15⅜ inches, diameter at bottom 10 inches, depth 5¼ inches; Imperial capacity 8 quarts; average weight per dozen, 15½ pounds.

Open stock; paper wrapped.

WATER PAILS



No. 290.

Size, quarts	10	12
List dozen	28.00	54.00
Imperial quarts	8	10
Diam. top, ins.	10⅜	11
Diam. bot., ins.	8¾	9
Depth, ins.	8	8¾
App. wt. doz., lbs.	18	22

Standard Weight.

Seamless, flared body, heavy corrugated steel bail-rest ears; heavy wire bail handle with wood grip; polish finish outside.

Open stock; paper wrapped.

FRY PANS

No. 60.

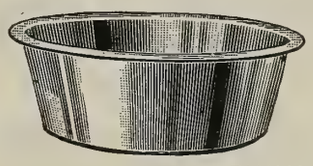
Size, inches	9	10
List dozen	18.00	20.40
Diam. top, ins.	9¼	10¼
Diam. bottom, ins.	7½	8½
Depth, ins.	1⅝	1 11/16
App. wt. doz., lbs.	7½	9

Lipped; Standard Weight.

Seamless; steel hollow handle with eyelet; polish finish outside.

Open stock; paper wrapped.

PUDDING PANS



Nos.	7111½L	7112L
List dozen	7.20	8.80
Trade size, qts.	1½	2
Imp. pints	2½	3¼
Diam. top, ins.	8⅛	9
Diam. bot., ins.	7	7⅝
Depth, ins.	2⅞	3⅛
App. wt. doz., lbs.	3	4

Light Weight.

Seamless; wide rim; polish finish outside; Sun-ray finish inside.

Open stock; paper wrapped.

PUDDING PANS

No. 110.

Size, pints	2	4	6
List dozen	7.20	10.80	13.20
Imp. pints	1½	3¼	5
Diam. top, ins.	5¾	8	8⅝
Diam. bottom, ins.	4½	5⅝	7¼
Depth, ins.	2 11/16	3¾	3¼
App. wt. doz., lbs.	4½	5	6½

Standard Weight.

Flared sides, seamless; wide beaded rim; polish finish outside.

Open stock; paper wrapped.

JELLY CAKE PANS

No. 180.

Size, inches	8	9
List dozen	4.80	7.20
Diam. ins.	8	9⅛
Depth, ins.	1¼	1 7/16
App. wt. doz., lbs.	2¾	3½

Standard Weight.

Seamless; full beaded rim; polish finish outside.

Open stock; paper wrapped.

PIE PLATES

Nos.	5009L	5005L
List dozen	2.90	3.50
Diam. top, ins.	9	10
Depth, ins.	7/8	1
App. wt. doz., lbs.	1	1½

Light Weight.

Seamless; wide rim; natural bright finish.

	No. 170	No. 170	No. 175 Deep
Size, inches	8	9	9
List dozen	4.10	4.80	6.00
Diam. top, ins.	8	8¾	9
Diam. bottom, ins.	6¾	7⅝	8⅛
Depth, ins.	1	1⅛	1¼
App. wt. doz., lbs.	2½	2¾	3

Standard Weight.

Seamless; wide beaded rim; polish finish inside.

Open stock; paper wrapped.

Trade capacities and sizes are the makers figures, the Imperial capacities, which are approximate, are given for reference only.

ALUMINUM WARE

KITCHEN ASSORTMENT.

"Handy." List each 43.20

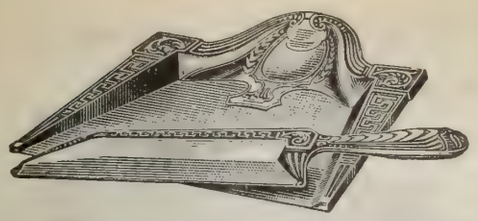
Contains 18 Dozen of the following:

1 dozen Lipped Sauce Pans, 1 quart.
1 dozen Pie Plates, 9 inch.
1 dozen Child's cups.
1 dozen Dippers.
1 dozen Cooky Cutters.
1 dozen large Salt Shakers.
1 dozen large Pepper Shakers.
1 dozen Measuring Spoon Sets.
1 dozen Lemon Juice Extractors.
1 dozen Salt Shakers (glass bottom).
1 dozen Pepper Shakers (glass bottom).
1 dozen Measuring Cups, 1/2 pint.
1 dozen Perforated Cake Turners.
1 dozen Tea or Coffee Strainers.
1 dozen Ladles.
1 dozen Cups, 14 ounce.
1 dozen Tea Balls.
1 dozen Coffee Balls.

A good selling assortment of stamped aluminum in burnished and satin finishes; an attractive and profitable assortment; carefully packed in a corrugated carton; weight each, 30 pounds.

ALUMINUM WARE

CRUMB TRAYS AND SCRAPERS

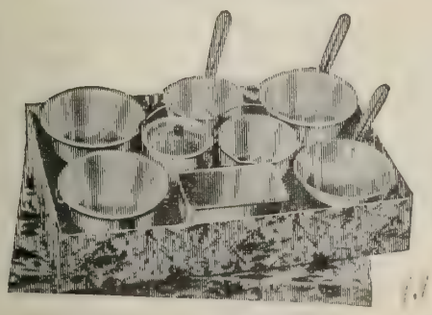


No. 2490H. List per set 1.50

Seamless stamped aluminum; embossed; combination satin and polish finish; tray 8¼ inches long, 5/8 inches wide; scraper 10¼ inches long, 2¼ inches wide; average weight per set, 6 ounces.

1 set in a box.

CHILD'S COOKING SETS



No. 112H. List per set 2.30

8-Piece.

	Cap. Oz.	Diam. top, ins.	Depth inches.
Stew Pan	13	5	1¾
Sauce Pan	10	4	1⅞
Pudding Pan	13	5	1¾
Convex Kettle	10	3	2⅛
Preserving Kettle	10	4	1⅞
Dish Pan	13	5	1¾
Fry Pan		4⅞	7/8
Bread Pan	4⅞ x 2¾ x 2 inches		

Made of fine aluminum, dip finish; box measures 10¾ x 17 x 3 inches; average weight per set, 1¼ pounds.

1 Set in an attractive box.

CHILD'S TEA SETS

No. 167H. List per set 1.50

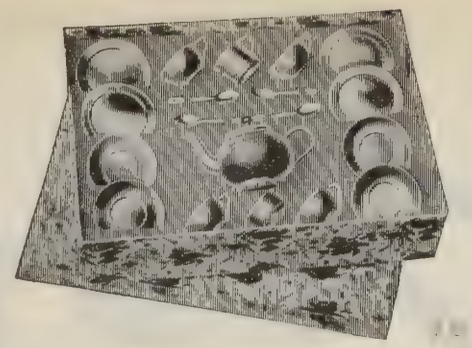
11-Piece.

	Cap. Oz.	Diam. top, ins.	Diam. bot., ins.	Depth inches.
1 Tea Pot	8	2⅛	2⅝	3¼
2 Cups	1½	2¼	1¼	1
1 Cream Jug	1½	1⅝	1⅜	1½
1 Sugar Bowl	1½	2	1½	7/8
2 Saucers		3¼	1½	
2 Plates		3½	2¾	
2 Spoons				

Made of fine aluminum, dip finish; box measures 12¾ x 9¼ x 3 inches; average weight per set, 3/4 pound.

1 Set in an attractive box.

CHILD'S TEA SETS



No. 166H. List per set 2.10

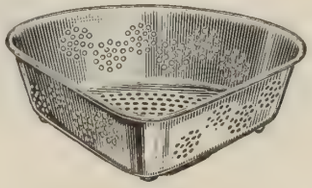
19-Piece.

	Cap. Oz.	Diam. top, ins.	Diam. bot., ins.	Depth inches.
1 Tea Pot	8	2	2	2½
4 Cups	1½	2¼	1¼	1
1 Cream Jug	1½	1⅝	1⅜	1½
1 Sugar Bowl	1½	2	1½	7/8
4 Saucers		3½	1½	
4 Plates		3½	2½	
4 Spoons				

Made of fine aluminum, dip finish; box measures 12 x 16¼ x 3¾ inches; average weight per set, 1¼ pounds.

1 Set in an attractive box.

SINK STRAINERS



No. 5566. List per dozen 18.00

Standard Weight.

Seamless, perforated sides and bottom; bulge feet; polish finish outside, natural bright finish inside; length 10¾ inches, width 8⅜ inches, depth 2¾ inches; average weight per dozen, 5½ pounds.

Open stock; paper wrapped.

CLOTHES SPRINKLERS

No. 7570D. List per dozen 1.20

Dip finish aluminum; clinched perforated top 1½ inches diameter; 2⅛ inches high; cork covered neck 5/8 inch diameter; 1 dozen on a display card; average weight per dozen, 6 ounces.

1 dozen in a box.

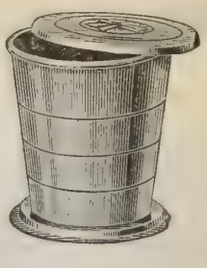
COFFEE BALLS

No. 2562. List per dozen 2.40

Stamped aluminum, dip finish; screw cover with aluminum wire holder; 2⅝ inches high, 2⅜ inches diameter; average weight per dozen, 3/4 pound.

1 dozen in a box.

COLLAPSIBLE CUPS



No. 3717. List per dozen 2.30

Capacity 4½ Ounces.

Dip finish stamped aluminum; embossed cover; roll rim; diameter at top 2⅝ ins., height closed 1 inch, height open 2½ ins.; average weight per dozen, 10 ounces.

CUPS

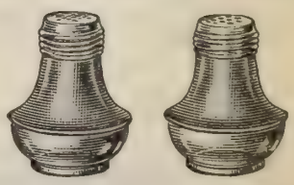
No. 3720. List per dozen 2.30

Capacity 4¾ Ounces.

Seamless; rolled edge; knurled pattern; rivetted handle; combination satin and polish finish; diameter at top 2½ inches, diameter at bottom 1⅞ inches, depth 2½ inches; average weight per dozen, 10 ounces.

1 dozen in a box.

SALT AND PEPPER SHAKERS



Nos.	1440	3719
List dozen pairs	2.70	3.50
Diam., inches	1⅝	2⅛
Height, inches	2	2⅝
App. wt. doz. prs., lbs.	2¼	2¾
Pairs in a box	1 doz.	½ doz.

Self-Righting.

Pieced aluminum; screw top, weighted bottom; combination satin and polished finish.

No. 1440 packed each pair in a carton.

1 dozen in a box.

No. 2362H. List per dozen pairs 4.80

Colonial Design; Self-Righting.

Pieced aluminum; screw top; weighted bottom; polish finish; 2⅛ inches diameter, 2⅝ inches high; average weight per dozen pairs, 3 pounds.

Each pair in a carton.

1 dozen pairs in a box.

Trade capacities and sizes are the makers figures, the Imperial capacities, which are approximate, are given for reference only.

ENAMELLED WARE

Special enamelling steel base, well coated with enamel, making utensils that are hard and durable, particularly smooth, easily cleaned, rust proof and acid proof.

PEARL. Discount .....
Double coated; grey outside and inside.

DIAMOND. Discount .....
Triple coated; blue and white outside, pure white inside.

MILK OR RICE BOILERS

Nos.	52	53	54	56
Pearl, list dozen	18.00	21.26	26.60	32.24
Diamond, list dozen	24.16	28.64	35.80	43.80
Outside Pans.				
Imp. pints	3	5	7	9
Diam. top. ins.	6	6⅞	7¾	8¾
Depth, inches	4½	5	5¼	5⅝
Inside Pans.				
Imp. pints	2½	3½	6	6¾
Diam. top, inches	6½	7⅜	8⅜	9⅛
Depth, inches	3½	4⅛	5	4½
Cover, No.	13	16	20	23
Mfs. Standard list	13.50	16.00	20.00	25.00

Seamless outside and inside pans; beaded rims; welded enamelled hollow handles with eyelet; bright tin cover with flanged beaded rim and wire handles.

Open stock; paper wrapped.

STRAIGHT SAUCE PANS

Nos.	100	200	300	400
Pearl, list dozen	8.00	8.66	10.00	12.00
Diamond, list dozen	10.74	11.64	13.42	16.12
Size quarts	1	2	3	4
Imp. quarts	3/4	1¼	1¾	2¾
Diam. inches	4¾	5⅝	6½	7½
Depth, inches	3⅞	3⅞	4¾	5⅛
Mfs. Standard list	6.00	6.50	7.50	9.00

Nos.	600	800	1000
Pearl, list dozen	14.60	17.94	21.26
Diamond, list dozen	19.70	24.18	28.64
Size, quarts	6	8	10
Imp. quarts	3¾	5	7
Diameter, inches	8¼	9¼	10⅛
Depth, inches	5½	6	6⅝
Mfs. Standard list	11.00	13.50	16.00

Seamless body; round, hollow, enamelled handle with eyelet; bright tin, flanged cover with wire handle.

Open stock; paper wrapped.

FLARING SAUCE PANS

Nos.	10	12	14	16	18
Pearl, list dozen	4.66	5.00	5.32	6.00	6.64
Diamond, list dozen	6.26	6.72	7.20	8.06	8.96
Imp. quarts	1/2	3/4	1	1¼	1½
Diameter top, inches	5⅜	5⅞	6⅞	7¼	7⅞
Depth, inches	2½	2¾	3¼	3¼	3½
Mfs. Standard list	3.50	3.75	4.00	4.50	5.00

Nos.	20	22	24	26	28
Pearl, list dozen	7.64	8.66	9.64	10.96	12.64
Diamond, list dozen	10.30	10.64	13.00	14.76	.....
Imp. quarts	2	2½	3¼	4	5¼
Diam. top, inches	8½	9⅛	10	10⅝	11½
Depth, inches	3⅞	4	4¼	4½	4⅞
Mfs. Standard list	5.75	6.50	7.25	8.25	9.50

Seamless body; round, hollow enamelled handles with eyelet.

Open stock; paper wrapped.

SAVOY COOKERS

Nos.	104	106	108
Pearl, list dozen	18.00	23.26	29.42
Diamond, list dozen	24.16	31.32	39.40
Outside Pans.			
Diam. top, inches	8¼	9¼	10⅛
Height, inches	5½	6	6⅝
Inside Pans.			
Imperial pints	3¼	4	5½
Diameter top, inches	9⅛	9⅞	10¾
Height, inches	3⅝	4	4½
Mfs. Standard list	13.50	17.50	22.00

Seamless outside body; beaded rim; welded enamelled handle with tilting handle on the side.

Inset seamless; flanged rim; perforated sides; enamelled ears; wire bail handle with wood grip; enamelled covers with welded handles.

Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

ENAMELLED WARE

CONVEX KETTLES

Nos.	210	212	214	218
List dozen				
Pearl	25.26	30.58	37.22	46.52
Diamond	34.00	41.16	50.10	62.64
Size, quarts	10	12	14	18
Imp. quarts	7	9½	12¾	16¼
Diam. top, ins.	10⅛	10¾	11¾	12¾
Depth, ins.	6⅝	7⅝	8	9¾
Mfs. Std. list	19.00	23.00	28.00	35.00

Seamless body; beaded rim; enamelled ears; wire bail handle; welded enamelled tilting handle; bright tin cover, flanged and beaded, with wire handle.
Open stock; paper wrapped.

LONDON KETTLES

Nos.	03	04	06	08
List dozen				
Pearl	10.64	13.30	17.28	21.94
Diamond	14.32	17.90	23.28	29.52
Size, quarts	3	4	6	8
Imp. quarts	2⅛	3¼	5	6¼
Diam. top, ins.	7⅜	8⅜	10	10¾
Depth, ins.	4¾	4¾	5⅜	5⅜
Mfs. Std. list	8.00	10.00	13.00	16.50

Nos.	012	018
Pearl, list dozen	28.56	37.22
Diamond, list dozen	38.48	50.10
Size, quarts	12	18
Imperial quarts	9½	12¼
Diameter top, ins.	10½	12¾
Depth, inches	6¾	7½
Mfs. Standard list	21.50	28.00

Seamless body; beaded rim; enamelled ears; wire bail handle; welded enamelled tilting handle; bright tin cover flanged and beaded, with wire handle.
Open stock; paper wrapped.

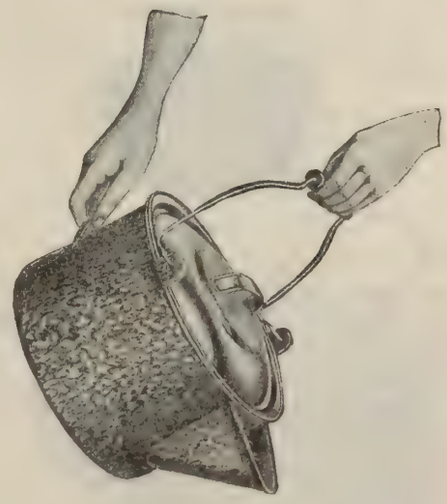
PRESERVING KETTLES

Nos.	20	22	24	26
List dozen				
Pearl	7.74	8.66	9.64	10.96
Diamond	10.30	11.64	12.98	14.76
Size, quarts	3	4	5	6
Imp. quarts	2	2½	3¼	4
Diam. top, ins.	8½	9⅛	10	10¾
Depth, ins.	3⅞	4	4¼	4½
Mfs. Std. list	5.75	6.50	7.25	8.25

Nos.	28	30	32	34
List dozen				
Pearl	12.64	14.62	17.28	21.26
Diamond	17.02	19.70	23.28	28.64
Size, quarts	8	10	12	14
Imp. quarts	5¼	6¼	8	9½
Diam. top, ins.	10½	11⅞	13	13½
Depth, ins.	4⅞	5½	5¾	5⅞
Mfs. Std. list	9.50	11.00	13.00	16.00

Seamless body; enamelled ears; wire bail handle; enamelled tilting handle.
Open stock; paper wrapped.

POTATO POTS



Nos.	6	8	10	12
List dozen				
Pearl	18.60	22.60	24.58	26.58
Diamond	25.06	30.42	33.10	35.78
Imp. quarts	3¾	5	7	8½
Diam., ins.	8¼	9¼	10⅛	10¾
Depth, ins.	5½	6	6⅝	7⅝
Mfs. Std. list	14.00	17.00	18.50	20.00

Seamless body; large open strainer spout; enamelled ears and tilting handle; bright wire "lid-lock" bail handle with wood grip, holds lid when tilting the pot; **Pearl** cover, bright tin; **Diamond** cover, enamelled.
Open stock; paper wrapped.

DEEP STOVE POTS

Nos.	8	8/9	9
Pearl, list dozen	19.94	23.92	23.92
Diamond, list dozen	26.86	32.20	32.20
Imp. quarts	7	9	9
Diam., inches	10½	11½	11½
Height, inches	7¼	8	8
Stove opening, No.	8	8 or 9	9
Mfs. Std. list	15.00	18.00	18.00

Pit Bottom.

Seamless body; enamelled ears; wire bail handle with black enamelled wood grip; coil wire tilting handle.

Open stock; paper wrapped.

WATER BUCKETS

Nos.	110	112	114
List dozen			
Pearl	18.60	21.23	25.26
Diamond	25.06	28.64	34.00
Size quarts	10	12	14
Imp. quarts	8½	9¾	12
Height, inches	8⅛	9	9¾
Diam. top, ins.	10⅜	11⅛	12
Diam. bot., ins.	8⅛	8¾	9⅜
Mfs. Std. list	14.00	16.00	19.00

Seamless; enamelled ears; wire bail handle with wood grip.

Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

ENAMELLED WARE

STRAIGHT PAILS

Quarts	2	3	4	6
List dozen				
Pearl	8.66	9.98	11.96	14.62
Diamond	11.64	13.44	16.12	19.70
Imp. quarts	1¼	2	3	3½
Diam., ins.	5⅝	6½	7½	8¼
Depth, ins.	3⅞	4¾	5⅛	5½
Mfs. Std. list	6.50	7.50	9.00	11.00

Quarts	8	10	12	14
List dozen				
Pearl	17.94	21.26	26.58	31.90
Diamond	24.18	28.64	35.78	42.94
Imp. quarts	3¾	7	8½	11
Diam., ins.	9¼	10⅛	10¾	11¾
Depth, ins.	6	6⅝	7⅝	8
Mfs. Std. list	13.50	16.00	20.00	24.00

Seamless body; enamelled ears; wire bail handle; bright tin cover with wire loop.
Open stock; paper wrapped.

MILK PAILS

Quarts	1	2	3	4
List dozen				
Pearl	10.64	14.62	18.60	23.92
Diamond	14.32	19.70	.....	.....
Imp. quarts	1	2	3	4⅛
Diam., ins.	4¼	5⅝	6¼	7
Height, ins.	7	7¾	9¼	10⅛
Opening, ins.	3⅛	3½	3⅞	3⅞
Mfs. Std. list	8.00	11.00	14.00	18.00

Seamless body; enamelled ears; wire bail handle; beaded side handle, bright tin cover.
Open stock; paper wrapped.

MIXING BOWLS

Nos.	20	22	24	28
List dozen				
Pearl	6.00	6.98	8.30	10.64
Diamond	8.06	9.38	11.18	14.32
Imp. pints	4	5	7	11
Diam. top, ins.	8½	8⅞	9⅞	11⅝
Height, ins.	3⅞	4⅜	4¾	5⅜
Mfs. Std. list	4.50	5.25	6.25	8.00

Seamless; beaded rim; deep pattern.
Open stock; paper wrapped.

KITCHEN BOWLS

Nos.	6	7	8	10
List dozen				
Pearl	3.66	4.66	5.64	8.30
Diamond	4.92	6.23	7.60	11.18
Imp. pints	1½	2	3	7
Diam. top, ins.	6⅛	7⅛	8⅛	9⅞
Height, ins.	2⅞	3	3⅜	4¾
Mfs. Std. list	2.75	3.50	4.25	6.25

Seamless; beaded rim; round pattern.
Open stock; paper wrapped.

SOUP BOWLS

Pearl.

Nos.	1	2	3	4
List dozen	2.60	2.98	3.66	4.32
Imp. pints	5/8	7/8	1½	2
Diam. top, ins.	4¾	5⅜	5⅞	6⅞
Height, ins.	2¼	2½	2¾	3¼
Mfs. Std. list	2.00	2.25	2.75	3.25

Seamless; beaded rim; deep pattern.
Open stock; paper wrapped.

DEEP SOUP BOWLS

Pearl.

Nos.	10	12	14
List dozen	2.66	2.98	3.66	4.32
Imp. pints	1/2	1	1¼
Diam. top, ins.	4¼	4⅞	5½
Height, ins.	2⅜	2¾	3
Mfs. Std. list	2.25	2.50	3.00

Seamless; beaded rim; round pattern.
Open stock; paper wrapped.

MILK PANS

Size, quarts	1	1½	2	3
List dozen				
Pearl	3.18	3.46	3.98	4.52
Imp. quarts	5/8	3/4	1	1¾
Diam. top, ins.	7	7½	8⅜	9¼
Depth, ins.	1¾	2	2⅛	2¼
Mfs. Std. list	2.40	2.60	3.00	3.40

Size quarts	4	5	8	10
List dozen				
Pearl	5.84	7.64	8.66	10.30
Imp. quarts	2	2½	3¾	4¼
Diam. top, ins.	10¾	12½	13½	14
Depth, ins.	2½	2¾	3¼	3⅝
Mfs. Std. list	4.40	5.75	6.50	7.75

Seamless; wide rim.
Open stock; paper wrapped.

ROUND PUDDING PANS

Size, quarts	1/2	1	1½	2
List dozen				
Pearl	3.20	3.46	3.98	4.52
Diamond	4.30	4.66	5.38	6.10
Imp. quarts	1/2	3/4	1¼	1½
Diam. top, ins.	5⅜	7	8	8¾
Depth, ins.	2½	2¾	2⅞	3
Mfs. Std. list	2.40	2.60	3.00	3.40

Size, quarts	3	4	6
Pearl, list dozen	5.16	5.84	7.98
Diamond, list dozen	6.80	7.98	10.74
Imp. quarts	2	2¼	3¾
Diam. top, inches	9½	10¼	12
Depth, inches	3⅜	3⅜	3⅝
Mfs. Std. list	3.80	4.40	6.00

Seamless; wide rim; deep pattern.
Open stock; paper wrapped.

OBLONG PUDDING PANS

Pearl.

Nos.	10	11	12	13
List dozen	6.64	7.32	8.30	8.78
Length, ins.	10⅜	11	11⅞	12¾
Width, ins.	7⅜	7¾	8¼	9⅛
Depth, ins.	1¾	1¾	2	2⅛
Mfs. Std. list	5.00	5.50	6.25	6.60

Seamless; flared pattern; wide rim, beaded.
Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

ENAMELLED WARE

WASH BOWLS

Nos.	26	28	30
Pearl, list dozen	4.66	5.32	6.32
Diamond, list dozen	6.26	7.16	8.50
Imp. pints	3¼	3½	5
Diam. top, ins.	10¼	11⅜	12
Height, ins.	2⅞	3	3⅝
Mfs. Standard list	3.50	4.00	4.75

Nos.	32	34	36
Pearl, list dozen	7.32	8.66	10.00
Diamond, list dozen	9.84	11.64	13.44
Imp. pints	6	8	9
Diam. top, ins.	12¾	13⅞	14¾
Height, ins.	3⅜	3½	3½
Mfs. Std. list	5.50	6.50	7.50

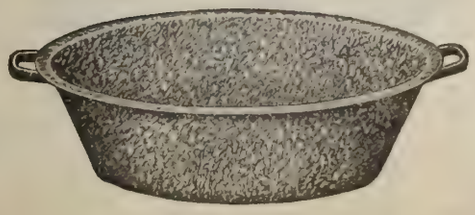
Seamless; wide rim beaded with eyelet.
Open stock; paper wrapped.

ROUND DISH PANS

Size, quarts	8	10	14	17
List dozen				
Pearl	12.46	14.62	17.28	20.62
Diamond	17.00	19.70	23.28	27.76
Imp. quarts	5	7	9	12
Diam. top, ins.	13½	14¾	16¼	18
Depth, ins.	4½	5	5½	5¾
Mfs. Std. list	9.50	11.00	13.00	15.50

Seamless; wide rim; deep pattern; round hollow enamel handles.
Open stock; paper wrapped.

OVAL DISH PANS



Pearl.

16 Quarts. List per dozen 21.92

Seamless body; 18¼ inches long, 13⅞ inches wide, 5¾ inches deep; flared pattern, wide rim, beaded; enamelled hollow handles; holds 11 Imperial quarts.
Manufacturers Standard list $18.00.
Open stock; paper wrapped.

TEA KETTLES

No. 20; DAISY.

Pearl. List dozen 16.00
Diamond. List dozen 21.50

2-Quart size.

Flat bottom; enamelled cover; rivetted ears; wire bail handle with wood grip; holds 3⅛ Imperial pints; diameter bottom, 8¾ inches, height 5 inches (with cover on). Open stock; paper wrapped.
Manufacturers Standard list, $12.00.

SAVOY TEA KETTLES

Nos.	800	900
Pearl, list dozen	26.60	31.90
Diamond, list dozen	35.80	43.00
Imperial quarts	5	6
Diameter, inches	9⅜	10½
Height, inches	8	8
Mfs. Standard list	20.00	24.00

Seamed body; flat bottom; rigid handles with wood grip; nickel plated oval hinged cover, opening at the side.
Open stock; paper wrapped.

ROYAL TEA KETTLES

Nos.	50	60	70	80
List dozen				
Pearl	18.60	21.26	23.92	26.60
Diamond	25.06	28.64	32.20	35.80
Imp. quarts	1⅝	2¾	3¾	5¼
Diam., ins.	6	7½	8½	9½
Hght., cover on	6¼	6¾	7¾	8
Mfs. Std. list	14.00	16.00	18.00	20.00

Flat Bottom.

Seamed body; flat bottom; enamelled ears; wire bail handle with wood grip; enamelled cover.
Open stock; paper wrapped.

ROYAL TEA KETTLES

Nos.	7	8	9
Pearl, list dozen	24.00	26.60	31.90
Diamond, list dozen	32.20	35.80	42.94
Stove size	7	8	9
Diam., inches	8½	9½	10½
Height, inches	8¼	8½	9
Imp. quarts	4¼	5¾	7
Mfs. Std. list	18.00	20.00	24.00

"Pit Bottom."

Seamed body; welded spout and ears; wire bail handle with wood grip; enamelled cover.
Open stock; paper wrapped.

WATER PITCHERS

Nos.	13	15	17	19
List dozen				
Pearl	13.30	16.00	19.94	28.56
Diamond	17.90	21.50	26.86	38.50
Size, quarts	2	3	4	6
Imp. quarts	1¼	2¼	3¾	5
Diam., ins.	5½	6¼	6⅝	8
Depth, ins.	9½	9¾	11⅛	12¾
Mfs. Std. list	10.00	12.00	15.00	21.50

Seamless; beaded rim; enamelled handle.
Open stock; paper wrapped.

JELLY CAKE PLATES

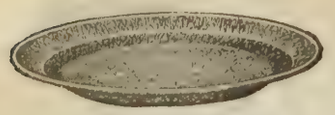
Size, inches	9	10
Pearl, list dozen	4.00	5.00
Depth, inches	1¼	1¼
Mfs. Standard list	3.00	3.75

Seamless; straight sides; wide rim beaded.
Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

ENAMELLED WARE

DINNER PLATES



Pearl.

Size, inches ...	7	8	9	10
List dozen	2.98	3.34	3.66	4.32
Mfs. Std. list ..	2.25	2.50	2.75	3.25

Seamless; flared pattern; wide beaded rim.
Open stock; paper wrapped.

PIE PLATES

Size, inches ...	7	8	9	10	11
List dozen					
Pearl	2.98	3.34	3.86	4.32	5.32
Mfs. Std. list ..	2.25	2.50	2.75	3.25	4.00
Depth, inches ..	7/8	7/8	7/8	7/8	7/8
Mfs. Std. list ..	2.25	2.50	2.75	3.25	4.00

Seamless; wide rim.
Open stock; paper wrapped.

DEEP PIE PLATES

9¼ INCH.

Pearl. List per dozen 4.32
Diamond. List per dozen 5.80
Seamless body, 9¼ inches diameter; 1½ inches deep, flared pattern; wide beaded rim.
Manufacturers Standard list $3.25.
Open stock; paper wrapped.

FAMILY DIPPERS

Pearl. List per dozen 6.98
Diamond. List per dozen 9.40
1 Quart Size.
Seamless body; enamelled round hollow handle with eyelet; top diameter 6⅛ ins., bottom diameter 4⅝ inches, depth 3¼ inches; holds 1½ Imperial pints.
Manufacturers Standard list $5.25.
Open stock; paper wrapped.

TEA POTS

Nos.	0	10	20
Pearl, list dozen	13.30	14.62	15.96
Diamond, list dozen	17.90	19.70	21.48
Size, quarts	1	1½	2
Imp. quarts	1	1¼	1½
Diam. bot., ins.	4¾	5⅜	5⅝
Height, inches	8	8⅜	8⅞
Mfs. Std. list	10.00	11.00	12.00

Nos.	30	40	50
Pearl, list dozen	17.94	19.94	22.60
Diamond, list dozen ...	24.16	26.84	30.40
Size, quarts	3	4	5
Imp. quarts	2⅛	3	3½
Diam. bot., ins.	6¼	6⅞	7⅛
Height, inches	9⅞	10⅞	11¾
Mfs. Std. list	13.50	15.00	17.00

All enamelled; tubular handle; strainer spout; brass hinged cover.
Open stock; paper wrapped.

COFFEE POTS

Nos.	5	15	25
Pearl, list dozen	13.30	14.62	15.96
Diamond, list dozen ...	17.90	19.70	21.48
Size, quarts	1	1½	2
Imp. quarts	1	1¼	1½
Diam. bottom, ins.	4¾	5⅜	5⅝
Height cover on, ins....	8	8⅜	8⅞
Mfs. Std. list	10.00	11.00	12.00

Nos.	35	45	55
Pearl, list dozen	17.94	19.94	22.60
Diamond, list dozen ...	24.16	26.84	30.40
Size, quarts	3	4	5
Imp. quarts	2	3	3⅛
Diam. bot., ins.	6¼	6⅞	7⅛
Height cover on, ins. ...	9⅞	10⅞	10¾
Mfs. Std. list	13.50	15.00	17.00

All enamelled; tubular handle; strainer spout; brass hinged cover.
Open stock; paper wrapped.

DRINKING CUPS

Nos.	8	9	10	11
List dozen				
Pearl	2.66	2.98	3.34	3.86
Diamond	....	4.02	4.48	4.92
Diam., inches..	3⅛	3½	3⅞	4¼
Height, ins. ...	2	2¼	2¼	2⅜
Imp. pints	1/4	2/5	1/2	3/5
Mfs. Std. list ..	2.00	2.25	2.50	2.75

Flared seamless body; enamelled handle; beaded edge.
Open stock; paper wrapped.

SAUCERS

Nos.	12	14	15
Pearl, list dozen	2.04	2.30	2.66
Diamond, list dozen ...	....	3.14	3.58
Diam., inches	4¾	5⅜	5¾
Matches Cup No.	8	9	10
Mfs. Std. list	1.55	1.75	2.00

Seamless; beaded rim.
Open stock; paper wrapped.

STRAIGHT CUPS OR MUGS

Nos.	7	8	9
Pearl, list dozen	2.92	3.20	3.66
Diamond, list dozen ...	3.94	4.30	4.92
Diam., inches	2¾	3⅛	3½
Height, inches	2⅜	3	3
Imp. pints	1/4	1/2	2/3
Mfs. Std. list	2.20	2.40	2.75

Nos.	10	11	12
Pearl, list dozen	4.14	4.66	5.32
Diamond, list dozen ...	5.56	6.28	7.16
Diam., inches	4	4¼	4¾
Height, inches	3⅛	3⅝	3⅞
Imp. pints	3/4	1¼	1¾
Mfs. Std. list	3.10	3.50	4.00

Seamless body; enamelled handle.
Open stock; paper wrapped.

TEA STEEPERS

Nos.	1	2
Pearl, list dozen	6.62	7.98
Diamond, list dozen	8.94	....
Diameter, inches	4¼	4¾
Imp. pints	1	1¾
Depth, inches	3⅝	3⅞
Mfs. Standard list	5.00	6.00

Seamless body; welded enamelled open strainer spout, handle and flanged lid.
Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

ENAMELLED WARE

ROAST PANS

Pearl.

Nos.	6	7	8	9
List dozen	11.96	13.62	17.94	20.62
Length, ins.	10¾	14½	15⅞	17
Width, ins.	9	9¾	11⅛	12
Depth, ins.	2	2	2¼	2⅜
Mfs. Std. list	9.00	10.25	13.50	15.50

Seamless body; oblong pattern; round hollow enamelled handles; beaded rim.

Open stock; paper wrapped.

GEM ROASTERS

Pearl.

No. 0. List per dozen 19.94

Round seamless body; enamelled hollow handles; beaded rim; self-basting cover; wide rim flanged; enamelled handle; embossed feet.

Manufacturers Standard list $15.00.

Open stock; paper wrapped.

ROASTERS

Pearl.

Nos.	10	20
List dozen	26.58	29.90
Length bottom, inches	14⅞	17½
Width, bottom, inches	10½	11⅜
Depth, bottom, inches	3⅞	4
Height over all, inches	6½	7
Mfs. Standard list	20.00	22.50

Seamless body; enamelled hollow handles; beaded rim; self-basting cover; wide rim, flanged; enamelled handle; embossed feet.

Open stock; paper wrapped.

CULLENDERS

Nos.	1	2	3
Pearl, list dozen	8.00	9.30	10.64
Diamond, list dozen	10.80	12.54	14.32
Diam. top, inches	8	8⅞	9⅞
Height, inches	4⅛	4¾	6
Mfs. Standard list	6.00	7.00	8.00

Seamless perforated body; beaded rim; enamelled hollow side handles; flanged foot.

Open stock; paper wrapped.

No. 306.

Pearl. List per dozen 10.00
Diamond. List per dozen 13.44

Seamless perforated body; wide rim welded enamelled hollow side handles; flanged foot; diameter 11⅜ inches, 4¾ inches high.

Manufacturers Standard list $7.50.

Open stock; paper wrapped.

FRUIT JAR FILLERS

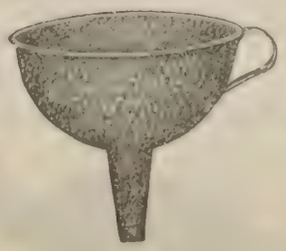
No. 30. List per dozen 4.66

Seamless bowl 5¼ x 3⅛ inches; diameter of tube 2 inches; enamelled handle; beaded rim.

Manufacturers Standard list $3.50.

Open stock; paper wrapped.

FUNNELS



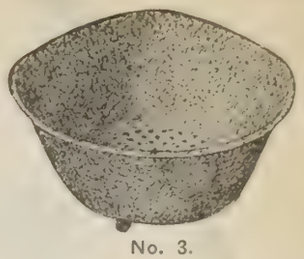
Pearl.

Pints	1/2	1	2
List dozen	4.00	4.66	5.32
Size, inches	3¾x4⅞	4¾x5½	7⅛x6½
Mfs. Std. list	3.00	3.50	4.00

Seamless; beaded rim; enamelled handle.

Open stock; paper wrapped.

CORNER SINK STRAINERS



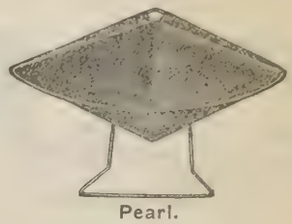
No. 3.

Pearl. List dozen 5.30
Diamond. List dozen 7.20

Seamless body; perforated; embossed feet; beaded rim; size of bowl 9x3¾ ins.

Manufacturers Standard list $4.00.

Open stock; paper wrapped.



Pearl.

No. 1. List per dozen 9.30

Seamed body; perforated; beaded rim; flanged back with loop; wire stand.

Manufacturers Standard list $7.00.

Open stock; paper wrapped.

IMPERIAL MEASURES

Pearl.

Capacity	Mfs. Std. list.	Net Stamping per doz.	List dozen
½ Pint	8.40	.60	11.20
1 Pint	9.20	.60	12.22
1 Quart	10.50	1.20	14.00
½ Gallon	14.00	1.20	18.60
1 Gallon	18.00	1.20	23.92

Government Stamped.

All enamelled; welded lip; beaded handle.

Government Stamping extra, **Net Cash.**

Open stock; paper wrapped.

SOAP DISHES

Nos.	60	70
Pearl, list dozen	4.32	5.64
Diamond, list dozen	5.82	7.60
Size, inches	5¼x4⅛	6½x4¾
Mfs. Standard list	3.25	4.25

Seamless body; perforated drainer with flanged edge; 2 eyelets in the back.

Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

ENAMELLED WARE

LADLES

Nos.	10	11
Pearl, list dozen	3.88	4.32
Diamond, list dozen	5.38	5.82
Diam. bowl, ins.	4	4½
Imp. pints	1/3	2/5
Mfs. Std. list	3.00	3.25

Seamless bowl; enamelled tubular handle, hooked.
Open stock; paper wrapped.

ROUND DINNER PAILS

3 Quarts. Pearl. List per dozen 19.94
Seamless body; enamelled trays; bright tin cover with cups; enamelled ears; wire bail handle with wood grip; holds 2½ Imperial quarts.
Manufacturers Standard list $15.00.
Open stock; paper wrapped.

CHAMBERS

Nos.	18	20	22	24
Pearl. List doz.	7.32	7.98	9.98	11.96
Diam. top, ins.	7	7⅝	8½	9½
Height, ins.	3½	4½	4¾	5⅛
Mfs. Std. list	5.00	6.00	7.50	9.00

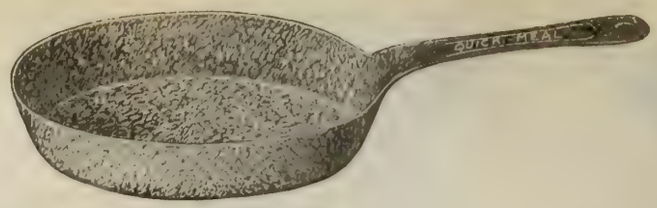
Seamless body; flared edge; enamelled beaded handle.
Open stock; paper wrapped.

CHAMBER COVERS

Nos.	18	20	22	24
Pearl. List doz.	2.98	3.12	3.46	3.92
Size, ins.	7	7½	8 9/16	9¼
Mfs. Std. list	2.25	2.35	2.60	2.95

Seamless; flanged and beaded rim; enamelled handle; No. 18 Cover fits No. 18 Chambers, etc.
Open stock; paper wrapped.

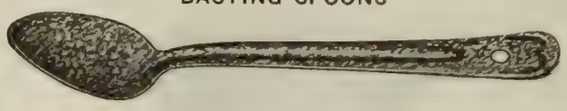
SPIDERS OR FRY PANS



Nos.	7	8	9
Pearl. List dozen	8.66	9.64	10 64
Diameter top, inches	9¼	10½	11⅜
Diameter bottom, inches	8	9¼	10
Height, inches	2	2	2⅛
Mfs. Standard list	6.50	7.25	8.00

Seamless; cold handle.
Open stock; paper wrapped.

BASTING SPOONS



Nos.	12	14	16
Pearl, list dozen	2 34	2 66	2 98
Diamond, list dozen	2.86	3.28	3.68
Length, inches	11½	13⅛	15¼
Mfs. Standard list	1.75	2.00	2.25

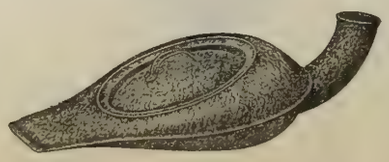
One-piece; threaded handle with eyelet.
Open stock; paper wrapped.

KNEADING PANS

Size, quarts	17	21
Pearl List dozen	37.22	43.86
Imperial quarts	14	18
Diam. top, inches	17½	19½
Depth, inches	7½	8
Mfs. Std. list	28.00	33.00

Seamless body; with foot; hollow enamelled handles; bright tin flanged and ventilated cover with rivetted handle.
Open stock; paper wrapped.

SLIPPER PATTERN BED PANS



No 1. Pearl. List per dozen 39.98
Seamed body; beaded cover with handle; length 19 inches, width 12½ inches.
Manufacturers Standard list, $30.00.
Open stock; paper wrapped.

SKIMMERS

No. 12 Pearl. List per dozen ... 3.88
Perforated bowl; 5 inches diameter; rivetted enamelled tubular handle, hooked.
Manufacturers Standard list $3.00.
Open stock; paper wrapped.

CHAMBER PAILS

Nos.	3	4
Pearl, list dozen	27.92	31.90
Diamond, list dozen	37.58	42.94
Diameter, inches	10½	11¼
Depth, inches	10¾	12¾
Mfs. Std. list	21.00	24.00

Semi-seamless body; welded top rim and foot; flanged enamelled cover and handle; wire bail handle with wood grip.
Open stock; paper wrapped.

PERFECTION BED PANS

No. 3. Pearl. List per dozen 47.86
Seamless body; oval shaped; beaded rim; length 14⅞ inches, width 12⅜ inches, depth 4⅛ inches.
Manufacturers Standard list, $36.00.
Open stock; paper wrapped.

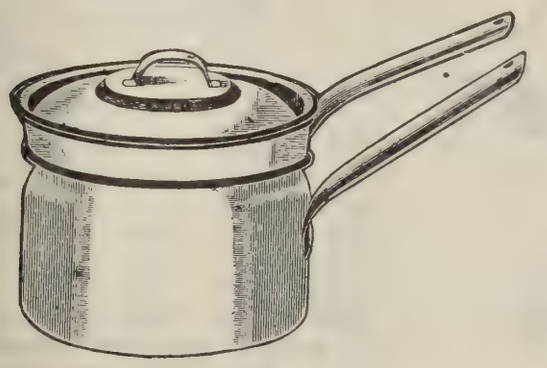
Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

WHITE ENAMELLED WARE

Special enamelling steel base, triple coated with porcelain white enamel inside and out, with light blue edge on rim; having the finish of fine crockery without the breakage; particularly smooth, easily cleaned, rust proof and acid proof.

Discount.....

MILK OR RICE BOILERS



Nos.	52	53	54	56
List dozen	27.60	32.72	40.90	51.12
Outside Pans.				
Diam. top, inches	6	6⅞	7¾	8¾
Depth, inches	4½	5	5¼	5⅝
Inside Pans.				
Imperial pints	2½	3½	6	6¾
Diameter top, inches	6½	7⅜	8⅜	9⅛
Depth, inches	3½	4⅛	5	4½
Mfs. Standard list	27.00	32.00	40.00	50.00

Seamless outside and inside pans; beaded rims; enamelled hollow handle with eyelet; enamelled cover with flanged and beaded rim and enamelled handle.

Open stock; paper wrapped.

STRAIGHT SAUCE PANS

Nos.	100	200	300	400
List dozen	12.28	13.30	15.34	18.40
Size, quarts	1	2	3	4
Imperial pints	3/4	1¼	1¾	2¾
Depth, inches	3⅞	3⅞	4¾	5⅛
Diameter, inches	4¾	5⅝	6½	7½
Mfs. Standard list	12.00	13.00	15.00	18.00

Nos.	600	800	1000
List dozen	22.50	27.60	32.72
Size, quarts	6	8	10
Imperial quarts	3¾	5	7
Diameter, inches	8¼	9¼	10⅛
Depth, inches	5½	6	6⅝
Mfs. Standard list	22.00	27.00	32.00

Seamless body; beaded rim; round hollow enamelled handle; flanged cover with beaded handle; tilting handle on the side.

Open stock; paper wrapped.

FLARING SAUCE PANS

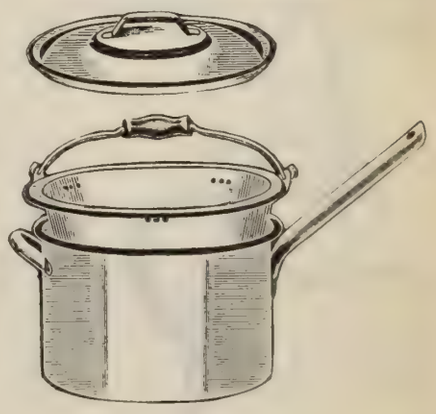
Nos.	12	14	16	18	20
List dozen	7.66	8.18	9.20	10.22	11.76
Quart, size	1	1½	2	2½	3
Imperial quarts	3/4	1	1¼	1½	2
Diameter top, inches	5⅞	6⅞	7¼	7⅞	8½
Depth, inches	2¾	3¼	3¼	3½	3⅞
Mfs. Standard list	7.50	8.00	9.00	10.00	11.50

Nos.	22	24	26	28
List dozen	13.30	14.84	16.88	19.42
Quart, size	4	5	6	8
Imperial quarts	2½	3¼	4	5¼
Diameter top, ins.	9⅛	10	10⅝	11½
Depth, inches	4	4¼	4½	4⅞
Mfs. Standard list	13.00	14.50	16.50	19.00

Seamless body; round hollow enamelled handle with eyelet; beaded rim.

Open stock; paper wrapped.

SAVOY COOKERS



Nos.	104	106	108
List dozen	27.60	35.00	44.00
Outside Pan.			
Diameter top, inches	8¼	9¼	10⅛
Height, inches	5½	6	6⅝
Inside Pan.			
Imperial pints	3¼	4	5½
Diameter top, inches	9⅛	9⅞	10¾
Height, inches	3⅝	4	4½
Mfs. Standard list	27.00	35.00	44.00

Seamless outside body; beaded rim; welded enamelled handle wit tilting handle on the side.

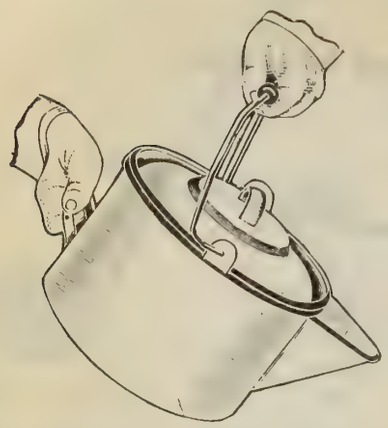
Inside Pan: Seamless; wide flanged rim; perforated sides; enamelled ears; wire bail handle with wood grip; enamelled cover flanged and beaded rim, with handle.

Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

WHITE ENAMELLED WARE

POTATO POTS

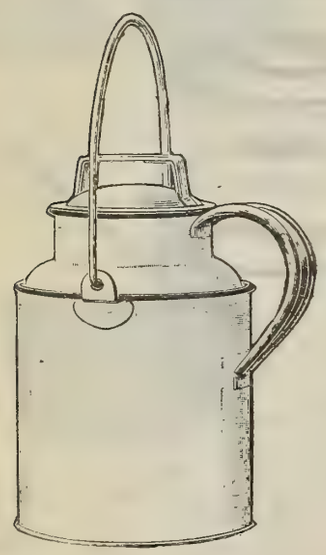


Nos.	6	8	10	12
List dozen	28.64	34.76	37.84	40.90
Imp. quarts	3½	3¾	7	8½
Diam., ins.	8¼	9¼	10⅛	10¾
Depth, ins.	5½	6	6⅝	7⅝
Mfgs. Std. list	28.00	34.00	37.00	40.00

Seamless body; large open strainer spout; enamelled ears and tilting handle; bright wire lid-lock bail handle with wood grip, holds lid when tilting the pot; enamelled cover flanged and beaded, with handle.

Open stock; paper wrapped.

MILK PAILS

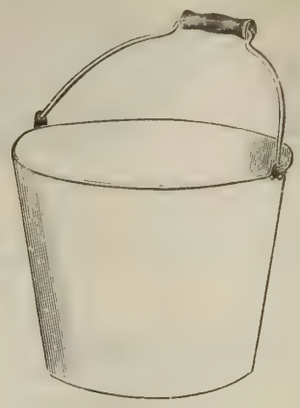


Quarts	1	2
List dozen	16.36	22.50
Imp. quarts	1	2
Diam., inches	4¼	5⅝
Height, inches	7	7¾
Opening, inches	3⅛	3½
Mfs. Standard list	16.00	22.00

Seamless body; enamelled ears; wire bail handle; beaded side handle; bright tin cover.

Open stock; paper wrapped.

WATER BUCKETS

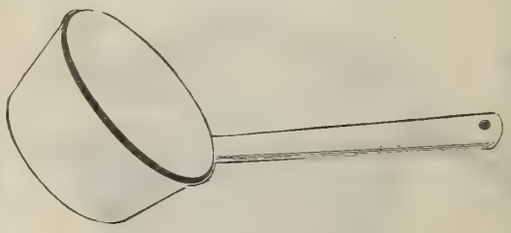


Nos.	110	112	114
List dozen	28.64	32.72	38.86
Size, quarts	10	12	14
Imp. quarts	8½	9¾	12
Diam. top, ins.	10⅜	11⅛	12
Diam. bot., ins.	8⅛	8¾	9⅜
Height, ins.	8⅛	9	9¾
Mfs. Std. list	28.00	32.00	38.00

Seamless; enamelled ears; wire bail handle with wood grip.

Open stock; paper wrapped.

FAMILY DIPPERS



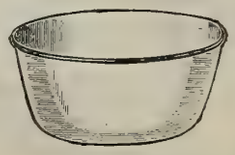
1-Quart. List per dozen 10.74

Seamless body; enamelled round hollow handle with eyelet; beaded rim; top diameter 6⅛ inches, bottom diameter 4⅝ inches, depth of bowl 3¼ inches; holds 1½ Imperial pints.

Manufacturers Standard list, $10.50.

Open stock; paper wrapped.

SOUP BOWLS



Nos.	1	2	3	4	5
List dozen	4.10	4.60	5.62	6.64	8.18
Imp. pints	5/8	7/8	1½	2	3½
Diam. top, ins.	4¾	5⅜	5⅞	6⅞	7⅞
Height, ins.	2¼	2½	2¾	3¼	3½
Mfgs. Std. list	4.00	4.50	5.50	6.50	8.00

Seamless; beaded rim; deep pattern.

Open stock; paper wrapped.

MIXING BOWLS

Nos.	20	22	24	28
List dozen	9.20	10.74	12.78	16.36
Imp. pints	4	5	7	11
Diam. top, ins.	8½	8⅞	9⅞	11⅝
Height, ins.	3⅞	4⅜	4¾	5¾
Mfgs. Std. list	9.00	10.50	12.50	16.00

Seamless; beaded rim; deep pattern.

Open stock; paper wrapped.

KITCHEN BOWLS

Nos.	6	7	8	10
List dozen	5.62	7.16	8.70	12.78
Imp. pints	1½	2	3	7
Diam. top, ins.	6⅛	7⅛	8⅛	9⅞
Height, ins.	2⅞	3	3⅜	4¾
Mfs. Std. list	5.00	7.00	8.50	12.50

Seamless; beaded rim; round pattern.

Open stock; paper wrapped.

ROUND PUDDING PANS

Size, quarts	1/2	1	1½	2
List dozen	4.90	5.32	6.14	6.96
Imp. quarts	1/2	3/4	1¼	1½
Diam. top, ins.	5¼	7	8	8¾
Depth, ins.	2½	2¾	2⅞	3
Mfgs. Std. list	4.80	5.20	6.00	6.80

Size, quarts	3	4	6
List dozen	7.78	9.00	12.28
Imp. quarts	2	2¼	3¾
Diam. top, ins.	9½	10¼	12
Depth, ins.	3⅜	3⅜	3⅝
Mfgs. Std. list	7.60	8.80	12.00

Seamless; deep pattern; wide rim beaded.

Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

WHITE ENAMELLED WARE

MILK PANS

Size, quarts	1/4	1/2	1
List dozen	4.30	4.60	4.90
Imp. quarts	1/4	1/2	5/8
Diam. top, ins.	5	6⅛	7
Depth, ins.	1⅝	1⅝	1¾
Mfgs. Std. list	4.20	4.50	4.80

Size, quarts	1½	2	3
List dozen	5.32	6.14	6.96
Imp. quarts	3/4	1	1¾
Diam. top, ins.	7½	8⅜	9¼
Depth, ins.	2	2⅛	2¼
Mfgs. Std. list	5.20	6.00	6.80

Seamless; flared pattern; wide rim, beaded. Open stock; paper wrapped.

OBLONG PUDDING PANS

Nos.	10	11	12	13
List dozen	10.22	11.24	12.78	13.50
Length, ins.	10⅜	11	11⅞	12¾
Width, ins.	7⅜	7¾	8¼	9⅛
Depth, ins.	1¾	1¾	2	2⅛
Mfgs. Std. list	10.00	11.00	12.50	13.20

Seamless; flared pattern; wide rim; beaded. Open stock; paper wrapped.

Open stock; paper wrapped.

WASH BOWLS

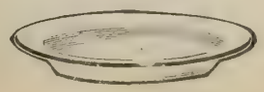
Nos.	26	28	30	32
List dozen	7.16	8.18	9.72	11.24
Imp. pints	3¼	3½	5	[illegible]
Diam. top, ins.	10¼	11⅜	12	12¾
Height, ins.	2⅞	3	3⅝	3⅜
Mfgs. Std. list	7.00	8.00	9.50	11.00

Nos.	34	36
List dozen	13.30	15.34
Imperial pints	8	9
Diameter top, ins.	13⅞	14¾
Height, inches	3½	3½
Mfgs. Standard list	13.00	15.00

Seamless; wide rim beaded with hole.

Open stock; paper wrapped.

DINNER PLATES

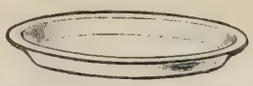


Size, ins.	7	8	9	10
List dozen	4.60	5.12	5.62	6.64
Mfgs. Std. list	4.50	5.00	5.50	6.50

Seamless; flared pattern; wide rim beaded.

Open stock; paper wrapped.

PIE PLATES



Size, ins.	7	8	9	10	11
List dozen	4.60	5.12	5.62	6.64	8.18
Mfgs. Std. list	4.50	5.00	5.50	6.50	8.00

Seamless; wide rim beaded; ⅞ inches deep.

Open stock; paper wrapped.

DEEP PIE PLATES

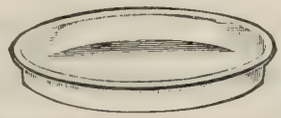
9¼-Inch. List per dozen 6.64

Seamless body; flared pattern, wide rim, beaded; 9¼ inches diameter, 1½ inches deep.

Manufacturers Standard list, $6.50.

Open stock; paper wrapped.

JELLY CAKE PLATES



Size, inches	9	10
List dozen	6.14	7.66
Depth, inches	1¼	1¼
Mfgs. Standard list	6.00	7.50

Seamless; straight sides; wide rim, beaded.

Open stock; paper wrapped.

SOUP PLATES

Size, Inches	9	10
List dozen	5.62	6.64
Mfs. Standard list	5.50	6.50

Seamless body; wide rim, beaded.

Open stock; paper wrapped.

ROUND DISH PANS

Size, quarts	8	10	14	17
List dozen	19.42	22.50	26.58	31.70
Imp. quarts	5	7	9	12
Diam., ins.	13½	14¾	16¼	18
Depth, ins.	4½	5	5½	5¾
Mfgs. Std. list	19.00	22.00	26.00	31.00

Seamless body; enamelled hollow handles; wire rim; deep pattern.

Open stock; paper wrapped.

STRAIGHT CUPS OR MUGS

Nos.	7	8	9
List dozen	4.10	4.40	5.12
Diameter, ins.	2¾	3⅛	3½
Height, inches	2⅜	3	3
Imperial pints	1/4	1/2	2/3
Mfgs. Standard list	4.00	4.30	5.00

Nos.	10	11	12
List dozen	5.82	6.64	7.36
Diameter, inches	4	4¼	4¾
Height, inches	3⅛	3⅝	3⅞
Imp. pints	3/4	1¼	1¾
Mfgs. Standard list	5.70	6.50	7.20

Seamless body; beaded rim; enamelled beaded handle.

Open stock; paper wrapped.

DRINKING CUPS

Nos.	8	9	10	11
List dozen	4.10	4.60	5.12	5.62
Diam., ins.	3⅛	3½	3⅞	4¼
Height, ins.	2	2¼	2¼	2⅜
Imp. pints	1/4	2/5	1/2	3/5
Mfgs. Std. list	4.00	4.50	5.00	5.50

Flaring seamless body; beaded rim; enamelled beaded handle.

Open stock; paper wrapped.

SAUCERS

Nos.	12	14	15
List dozen	3.16	3.58	4.00
Diameter, ins.	4¾	5⅜	5¾
Match cup, Nos.	8	9	10
Mfgrs. Standard list	3.10	3.50	4.00

Seamless; beaded rim.

Open stock; paper wrapped.

TEA STEEPERS

No. 1. List per dozen 10.22

Seamless body; welded enamelled open strainer spout, handle and flanged lid; diameter 4¼ inches, height 5⅜ inches; holds 1 Imperial pint.

Manufacturers Standard list, $10.00.

Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

WHITE ENAMELLED WARE

TEA KETTLES

No. 08. List per dozen 37.62

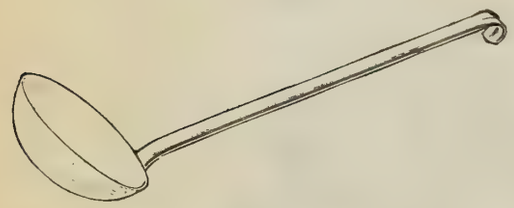
Flat Bottom.

Seamless body; flat bottom; welded spout and ears; wire bail handle; enamelled cover; diameter of bottom 9⅝ inches, height with cover 6⅜ inches; holds 3½ Imperial quarts.

Manufacturers Standard list, $36.80.

Open stock; paper wrapped.

LADLES



Nos.	10	11
List dozen	6.14	6.64
Imperial pints	1/3	2/5
Diameter bowl, inches	4	4½
Mfs. Standard list	6.00	6.50

Seamless bowl; enamelled tubular handle, hooked.

Open stock; paper wrapped.

SKIMMERS

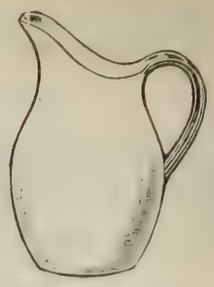
No. 12. List per dozen 6.14

Perforated spoon 5 inches diameter; enamelled tubular handle, hooked.

Manufacturers Standard list, $6.00.

Open stock; paper wrapped.

WATER PITCHERS

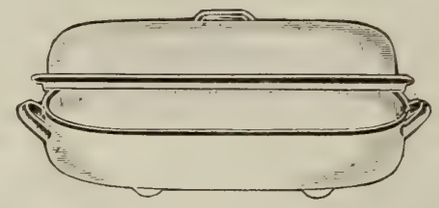


Nos.	13	15	17	19
List dozen	20.46	24.54	30.68	43.96
Size, quarts	2	3	4	6
Imp. quarts	1¼	2½	3¾	5
Diam., ins.	5¼	6¼	6⅝	8
Depth, ins.	9½	9¾	11⅛	12¾
Mfs. Std. list	20.00	24.00	30.00	43.00

Seamless body; beaded rim; enamelled beaded handle.

Open stock; paper wrapped.

ROASTERS

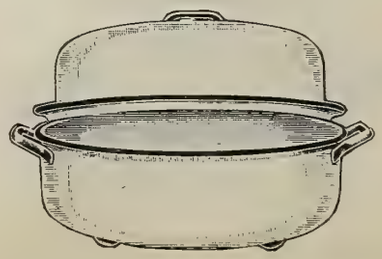


Nos.	10	20
List dozen	40.90	46.02
Length, inches	14⅞	17½
Width, inches	10½	11⅜
Depth, inches	3⅞	4
Height over all, ins.	6½	7
Mfs. Standard list	40.00	45.00

Seamless body; beaded rim; embossed feet; self-basting cover; wide rim flanged and beaded; enamelled handles; **No. 10**, wire drop handles; **No. 20**, enamelled hollow handles.

Open stock; paper wrapped.

GEM ROASTERS



No. 0. List per dozen 30.68

Round seamless body; beaded rim; embossed feet; enamelled handles; self-basting cover, wide rim, flanged and beaded with handles.

Manufacturers Standard list, $30.00.

Open stock; paper wrapped.

TEA POTS

Nos.	0	10	20
List dozen	20.46	22.50	24.54
Size quarts	1	1½	2
Imp. quarts	1	1¼	1½
Diam. bottom, ins.	4¾	5⅜	5⅝
Height, inches	8	8⅜	8⅞
Mfs. Standard list	20.00	22.00	24.00

Nos.	30	40	50
List dozen	27.60	30.68	34.78
Size, quarts	3	4	5
Imperial quarts	2⅛	3	3½
Diam. bottom, ins.	6¼	6⅞	7⅛
Height, inches	9⅞	10⅞	11¾
Mfs. Standard list	27.00	30.00	34.00

All enamelled; tubular handle; strainer spout; brass hinged cover.

Open stock; paper wrapped.

COFFEE POTS

Nos.	15	25	35	45
List dozen	22.50	24.54	27.60	30.68
Size, quarts	1½	2	3	4
Imp. quarts	1¼	1½	2	3
Diam. bot., ins.	5⅜	5⅝	6¼	6⅞
Height, ins.	8⅜	8⅞	9⅞	10⅞
Mfs. Std. list	22.00	24.00	27.00	30.00

All enamelled; tubular handle; strainer spout; brass hinge cover.

Open stock; paper wrapped.

CULLENDERS

Nos.	1	2	3
List dozen	12.28	14.32	16.36
Diam. top, inches	8	8⅞	9⅞
Height, inches	4⅛	4¾	6
Mfs. Standard list	12.00	14.00	16.00

Seamless perforated body; beaded rim; enamelled side handles and flanged foot.

Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

WHITE ENAMELLED WARE

CULLENDERS

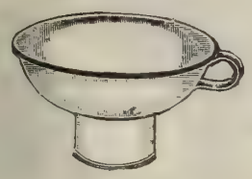
No. 306. List per dozen 15.34

Seamless perforated body; wide rim, beaded; enamelled side handles; flared foot; diameter 11⅜ inches, 3¾ inches high.

Manufacturers Standard list $15.00.

Open stock; paper wrapped.

FRUIT JAR FILLERS



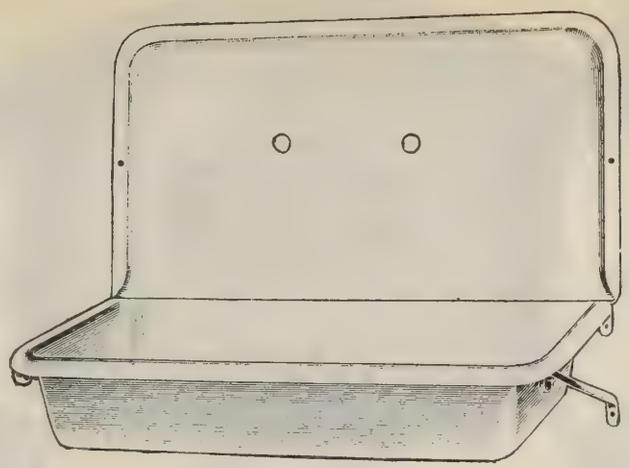
No. 30. List per dozen 7.16

Seamless bowl; beaded rim; enamelled handle; size 5¼ x 3⅛ inches; diameter of tube 2 ins.

Manufacturers Standard list $7.00.

Open stock; paper wrapped.

ROLL RIM SINKS



Without back. List each 9.00

With back. List each 15.00

Size 18 x 30 Inches.

Seamless steel body; rolled rim; sink 5¾ ins. deep; back 16¼ x 30½ inches, with nickle plated brass strainers, waste pipe couplings and brackets. Waste pipe connections fit 1½ inch lead or iron pipe.

Open stock; paper wrapped.

BASTING SPOONS

Nos.	12	14	16
List dozen	3.58	4.10	4.60
Length, inches	11½	13⅛	15¼
Mfs. Standard list	3.50	4.00	4.50

One-piece; threaded handle with eyelet.

Open stock; paper wrapped.

CUSPIDORS

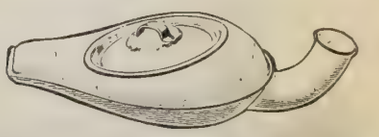
No. 35. List per dozen 22.50

Seamless body; flared beaded rim; diameter 8⅞ inches, height 5½ inches, size of opening 5 ins.

Manufacturers Standard list $22.50.

Open stock; paper wrapped.

SLIPPER PATTERN BED PANS



No. 1. List per dozen 61.36

Seamed body; beaded cover with handle; length 19 inches, width 12½ inches.

Manufacturers Standard list $60.00.

Open stock; paper wrapped.

PERFECTION BED PANS

No. 3. List per dozen 73.62

Seamless body; oval pattern; length 14⅞ inches, width 12⅜ inches, depth 4⅛ inches.

Manufacturers Standard list, $72.00.

Open stock; paper wrapped.

CORNER SINK STRAINERS

No. 3. List per dozen 8.18

Seamless body; perforated; embossed feet; beaded rim; size of bowl 9 x 3¾ inches.

Manufacturers Standard list, $8.00.

Open stock; paper wrapped.

SOAP. DISHES

Nos.	60	70
List dozen	6.64	8.70
Size, inches	5¼x4⅛	6½x4¾
Mfs. Std. list	.6.50	8.50

Seamless body; perforated drainer with flanged edge; eyelets in back.

Open stock; paper wrapped.

CHAMBER PAILS

Nos.	3	4
List dozen	42.94	49.08
Diameter inches	10½	11¼
Depth, inches	10¾	12¾
Mfs. Std. list	42.00	48.00

Semi-seamless body; welded top and foot; flanged enamelled cover and handle; wire bail handle with wood grip.

Open stock; paper wrapped.

CHAMBERS

Nos.	18	20	22	24
List dozen	11.24	12.28	15.34	18.40
Diam. top, ins.	7	7⅝	8½	9½
Height, ins.	3½	4½	4¾	5⅛
Mfs. Std. list	11.00	12.00	15.00	18.00

Seamless body; flared edge; beaded rim; enamelled beaded handle.

Open stock; paper wrapped.

CHAMBER COVERS

Nos.	18	20	22	24
List dozen	4.60	4.80	5.32	6.04
Size, ins.	7	7½	8 9/16	9¼
Mfs. Std. list	4.50	4.70	5.20	5.90

Seamless; flanged and beaded rim; enamelled handle. No. 18 Cover fits No. 18 Chamber, etc.

Open stock; paper wrapped.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

SAMSON COPPER WASH BOILERS

SAMSON COPPER WASH BOILERS

Nos.	48	49
List dozen	144.00	156.00
App. Imperial gals.	9½	12
Height, inches	12	13
Width, inches	12¼	13
Length, inches	22½	24
App. ship. wt. doz., lbs.	140	155

FULLY GUARANTEED

Flat Bottom.

Made of 14 ounce sheet copper with heavy wire hoop reinforced top; combination drop and hook handles with heavy wood grips; heavy tin seamless cover (snug fitting) with wood grip handle; made with slight flare allowing them to be nested; guaranteed water tight.

1/4 dozen in a crate.

FULLY GUARANTEED

COPPER AND NICKEL PLATED WARE

WASH BOILERS

Nos.	80	90
List dozen	82.80	90.60
Imp. gals.	8	10
Width, ins.	10⅝	11¾
Length, inches	21	22½
Depth, inches	12¼	12¼

Polished Copper; Flat Bottom.

Sides embossed; beaded rim; hook on wood grip handle; inside tinned; stamped cover flanged and beaded with handle.

Open stock.

ROYAL TEA POTS

Nos.	430	440	450	460
List dozen	27.00	29.42	31.86	34.30
Size, pints	3	4	5	6
Imp. pints	2¼	2¾	3⅞	4½
Diam., ins.	4⅞	5¼	5⅜	6¼
Height, ins.	8⅜	8¾	9⅜	9⅝
Mfgs. Std. list	13.90	15.15	16.40	17.65

Nickel Plated.

Heavy copper throughout; embossed sides; welded strainer spout; ebonized wood handle; beaded rim; slip on cover; inside tinned.

1/12 dozen in a cardboard box.

ROYAL COFFEE POTS

Nos.	431	441	451	461
List dozen	27.00	29.42	31.86	34.30
Size, pints	3	4	5	6
Imp. pints	2¼	2¾	3⅞	4½
Diam., ins.	4⅞	5¼	5⅝	6¼
Height, ins.	8⅜	8¾	9⅜	9⅝
Mfgs. Std. list	13.90	15.15	16.40	17.65

Nickel Plated.

Heavy copper throughout; embossed sides; welded strainer spout; hinged cover; ebonized wood handle.

1/12 dozen in a cardboard box.

RANGE KETTLES

No. 08. List per dozen 44.10

Nickel Plated.

Copper body and cover; seamed spout; flat bottom; rivetted ears; wire bail handle, with wood grip.

Manufacturers Standard list, $22.70.

1/12 dozen in a cardboard box.

ROYAL TEA KETTLES

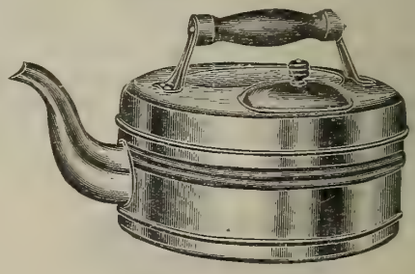
Flat Bottom	50	70	80	90
Pit Bottom		7	8	9
List dozen	30.10	35.94	41.68	44.10
App. Imp. qts.	1½	4	5	7
Diam., ins.	6	8½	9⅜	10¼
Height, inches—				
Flat bottom	5⅞	7⅛	7½	8
Pit bottom		7½	7⅞	8⅜
Mfs. Std. list	15.50	21.45	22.70	24.00

Heavy Copper, Nickel Plated.

Seamed body, embossed; seamed spout; rivetted ears; slip-on cover; wire bail handle with wood grip.

1/12 dozen in a carton.

SAVOY TEA KETTLES



Nos.	800	900
List dozen	44.10	46.62
Imperial quarts	5	6
Height, inches	7¾	8
Diameter, inches	9½	10½
Mfgrs. Standard list	22.70	24.00

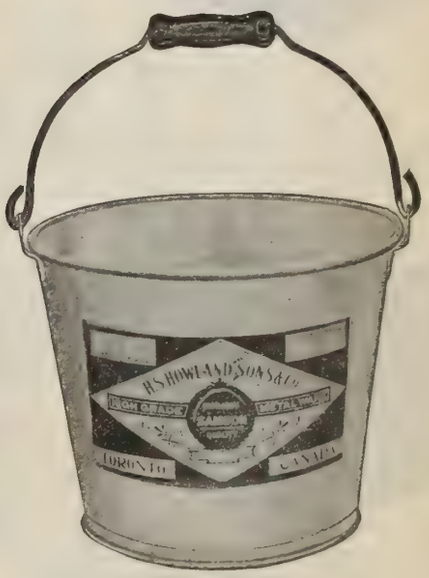
Heavy Copper; Nickel Plated.

Seamed body embossed; flat bottom seamed spout; rivetted handle with wood grip; oval cover on the side hinged.

1/12 dozen in a cardboard box.

Sizes are Manufacturers measurements. Imperial capacities are approximate and are given for reference only.

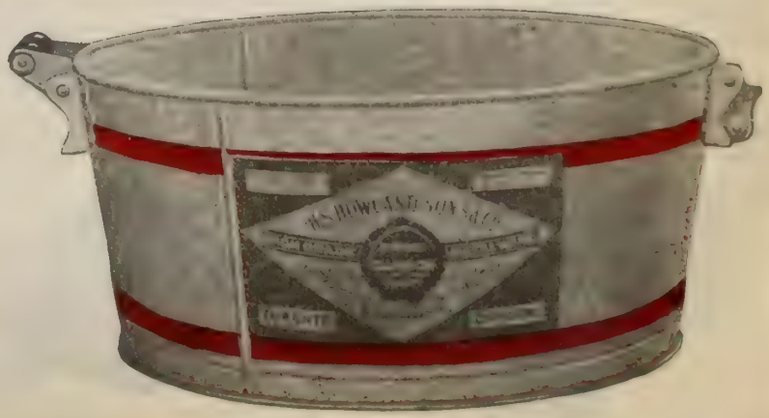
"Samson" Metal-ware



Metal-ware bearing the "Samson" trade mark represents the very highest quality.

All Materials Used are the Best, the Gauge of the Steel Extra Heavy. In Design—in the Manner in Which the Article is Reinforced, Seamed, Braced and Soldered Only the Very Best Methods Known are Employed.

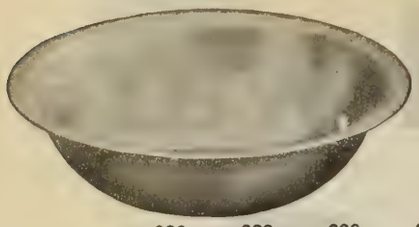
It is a Source of Satisfaction in Purchasing Samson Metalware to Know That There is Positively Nothing Better to be Had.



FULLY GUARANTEED

STAMPED TINWARE

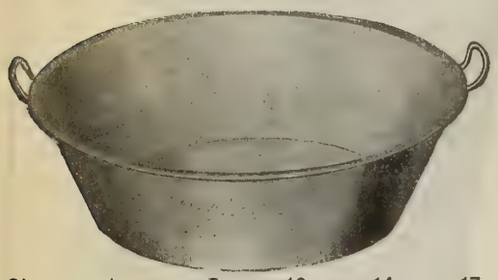
WASH BOWLS



Nos.	026	028	030	032
List dozen	2.46	2.70	3.28	3.84
Imp. pints	3¼	3½	4½	6
Diam., ins.	10¼	11⅜	11⅞	12¾
Depth, ins.	2⅞	3	3⅛	3⅜
Mfs. Std. list	2.40	2.65	3.20	3.75

Plain; wide rim, beaded.
Open stock.

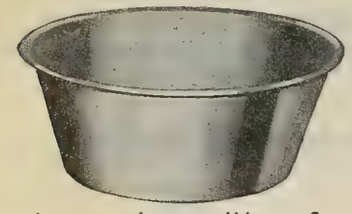
ROUND DISH PANS



Size, quarts	8	10	14	17
Plain, list dozen	6.14	6.92	8.18	10.22
Retinned, list dz.	10.50	12.24	14.58	18.08
Imp. quarts	5	7	9	12
Diam., ins.	13½	14¾	16¼	18
Depth, ins.	4½	5	5½	5¾
Mfs. Std. list	6.00	6.75	8.00	10.00

I. C. Tin.
Seamless body; wide beaded rim; wire handles. Open stock.

ROUND PUDDING PANS



Size, quarts	1	1½	2	3
List dozen	1.64	1.90	2.20	2.62
Imp. quarts	3/4	1¼	1½	2
Diam., ins.	7	8	8¼	9½
Depth, ins.	2¾	2⅞	3	3⅜
Mfs. Std. list	1.60	1.85	2.15	2.55

Size, quarts	4	6	8	10
List dozen	3.12	3.84	4.90	6.00
Imp. quarts	2¼	3¾	5	7
Diam., ins.	10¼	12	14	15¼
Depth, ins.	3¼	3⅝	3¾	3⅞
Mfs. Std. list	3.05	3.75	4.80	5.85

Plain; seamless body; wide rim beaded.
Open stock.

STRAIGHT CUPS OR MUGS

No. 9. List per dozen 1.80

Plain; round body; beaded rim; flat rivetted handle; diameter 2⅝ inches, height 3⅛ inches; holds 1/2 pint.
Manufacturers Standard list, $1.75.
1 dozen in a bundle.

MILK PANS

Size, quarts	1/4	1/2	1	1½
List dozen	.88	1.08	1.32	1.60
Imp. quarts	1/4	1/2	5/8	3/4
Diam., ins.	5	6⅛	7	7½
Depth, ins.	1⅝	1⅝	1¾	2
Mfs. Std. list	.85	1.05	1.30	1.55

Size, quarts	2	3	4	6
List dozen	1.90	2.20	2.70	3.44
Imp. quarts	1	1¾	2	2½
Diam., ins.	8⅜	9¼	10¾	12¼
Depth, ins.	2⅛	2¼	2½	2¾
Mfs. Std. list	1.85	2.15	2.65	3.35

Size, quarts	8	10	12
List dozen	4.10	4.90	6.00
Imp. quarts	3¾	4¼	6¼
Diam., inches	13½	14	15⅜
Depth, inches	3⅛	3⅝	4
Mfs. Std. list	4.00	4.80	5.85

Plain; one-piece; wide rim beaded.
Open stock.

KNEADING PANS

Size, quarts	17	21
List dozen	36.00	42.56
Diameter, inches	17½	19½
Depth, inches	7½	8
Mfs. Std. list	30.75	36.50

I. X. Tin Retinned.
Seamless body; hollow round steel handles; ventilated flanged cover with rivetted handle.
Open stock.

FAMILY DIPPERS

1 Quart. List per dozen 5.82

XX Tin Retinned.
Plain; hollow rivetted handle with eyelet; beaded rim; diameter of bowl 6⅛ inches; depth of bowl 3¼ inches; holds 3/4 Imperial quart.
Manufacturers Standard list, $5.00.
Open stock.

POT COVERS

Diam., ins.	5⅜	5¾	6	6⅝
List dozen	1.08	1.12	1.12	1.18
Mfs. Std. list	1.05	1.10	1.10	1.15
Diam., ins.	7	7½	8	8 9/16
List dozen	1.22	1.28	1.32	1.44
Mfs. Std. list	1.20	1.25	1.30	1.40
Diam., ins.	9¼	9 9/16	10	10⅜
List dozen	1.54	1.64	1.80	1.84
Mfs. Std. list	1.50	1.60	1.75	1.80
Diam., ins.	10½	10⅞	11½	11¾
List dozen	1.90	2.20	2.46	2.86
Mfs. Std. list	1.85	2.15	2.40	2.80
Diam., ins.	12⅛	12¼	12⅞	13¾
List dozen	2.92	3.06	3.68	4.26
Mfs. Std. list	2.85	3.00	3.60	4.15
Diameter, inches			14¾	16½
List dozen			5.76	7.16
Mfs. Std. list			5.60	7.00

Plain; hemmed edges; adjustable wire handle.
Open stock.

POT COVERS AND ARTICLES THEY FIT

Size, inches	Rice Boilers	Savoy Cookers	Convex Kettles	London Kettles	Preserving Kettles	Straight Kettles	Flaring Saucepans	London Saucepans	Straight Saucepans	Potato Pots
4⅞	..	...	...	...	..	1	..	..	100	..
5⅜	..	...	...	...	..	..	10	..	...	..
5¾	..	...	...	...	..	2	..	..	200	..
6	..	...	...	...	..	..	12	..	...	..
6⅝	52	...	...	...	..	3	..	..	300	..
7	..	...	...	...	..	..	14	..	...	..
7½	53	...	...	03	..	4	16	03	400	..
8	..	...	...	...	..	..	18	..	...	..
8 9/16	54	104	...	04	20	6	20	04	600	6
9¼	..	...	...	...	22	..	22	..	...	..
9 9/16	56	106	...	...	..	8	..	..	800	8
10	..	...	...	06	24	..	24	06	...	..
10⅜	..	108	210	...	..	10	..	..	1000	10
10⅞	..	...	121	08	26	12	26	..	...	12
11¾	..	...	214	012	28	14	28	..	...	..
12⅛	..	...	...	...	30	..	..	..	...	..
12⅞	..	...	218	018	32	16	..	..	...	..
13¾	..	...	224	...	34	24	..	..	...	..
14¾	..	...	...	...	36	..	..	..	...	..
16½	..	...	...	...	40	..	..	..	...	..

Stock Pots
No. 24 takes 13¾ inch cover.

Stove Pots
No. 8 takes 10⅞ inch cover.
No. 8/9 takes 11¾ inch cover.
No. 9 takes 12⅛ inch cover.

DRINKING OR TEA CUPS

Nos.	09	010
List dozen	2.34	2.92
Diameter, inches	4⅜	4⅝
Depth, inches	2	2¼
Mfs. Std. list	2.00	2.50

Retinned.
Beaded rim; flat rivetted handle.
1 dozen in a bundle.

Sizes are Manufacturers measurements. Imperial capacities are approximate and are given for reference only.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

STAMPED TINWARE

TEA KETTLES

DAISY.

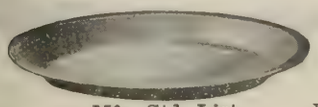
No. 020. List per dozen 6.46

2 Quart Size.

Plain tin; flat bottom; rivetted ears; wire bail handle with wood grip; flanged lid with wood knob; diameter at bottom 8⅝ inches, depth 3⅛ inches; holds about 1¾ Imperial quarts; average weight per dozen, 9¼ pounds.

Open stock.

PIE PLATES



Size, ins.	Mfs. Std. List	List gross
6	9.75	9.46
7	11.50	11.16
8	14.00	13.60
9	16.25	15.78
10	20.75	20.16
11	26.50	25.74

Plain; flared sides; wide rim beaded.

Open stock.

DEEP PIE OR SHANTY PLATES

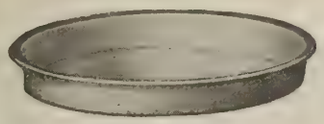
9¼ Inch. List per gross 23.32

Plain; flared sides; wide rim beaded 1½ inches deep.

Manufacturers Standard List, $24.00.

Open stock.

JELLY CAKE PLATES



Solid Bottom.

Size, inches	8	9	10
List gross	18.46	20.40	23.32
Mfs. Standard list	19.00	21.00	24.00

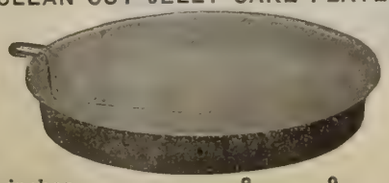
Loose Bottom.

Size, inches	9	10
List gross	31.48	39.64
Mfs. Standard list	32.40	40.80

Plain; straight sides; wide rim, beaded; 1¼ inch deep.

Open stock.

CLEAN CUT JELLY CAKE PLATES

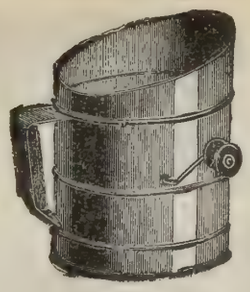


Size, inches	8	9	10
List dozen	2.44	2.68	3.32
Mfs. Standard list	2.50	2.75	3.40

Plain; wide rim beaded; with cut-out knife pivoted on the centre; 1¼ inches deep.

Open stock.

FLOUR SIFTERS



"Nemo." ..... See Page 341 for Price.

Bright tin ribbed body 5 inches diameter, 6½ inches high with soldered side handle; tinned wire sieve; bright wire agitator and crank with enamelled wood knob; average weight per dozen, 6 lbs.

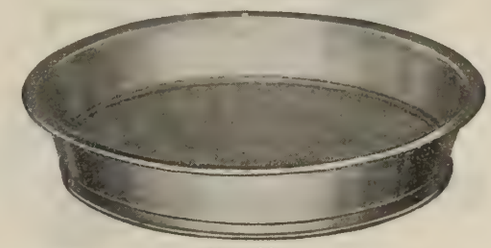
2 dozen in a carton.

CHAMPION FLOUR SIEVES

Nos.	3	4
List dozen	3.46	3.92
Diameter, inches	9¼	10¾
Depth, inches	2½	2½
Mfs. Standard list	3.55	4.05

Plain; straight sides; wide rim beaded; flat perforated bottom. Open stock.

METALLIC FLOUR SIEVES



No. 60.

Blue Wire. List per dozen 5.82

Tinned Wire. List per dozen 6.80

Plain; straight sides; wide beaded rim with eyelet; wire cloth bottom; deep rim at foot, beaded. Open stock.

Manufacturers Standard List.

Blue, $6.00; Plain, $7.00.

SOUP OR JELLY STRAINERS

No. 1. List per dozen 4.86

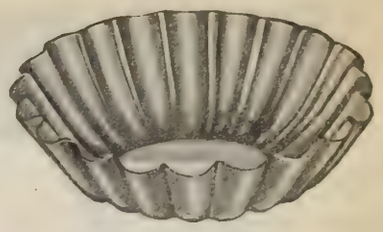
Retinned.

Round body; beaded rim; tinned wire bottom; deep rim at foot; rivetted round hollow handle; diameter 6⅞ inches, depth 2⅜ inches.

Manufacturers Standard list, $5.00.

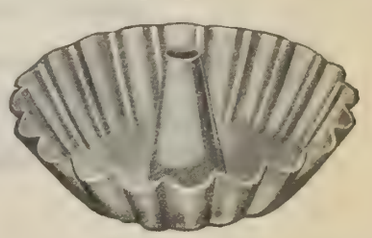
1/2 dozen in a bundle.

CAKE PANS



Nos.	6	8	10
List dozen	1.26	1.56	2.34
Diameter, inches	6⅛	7¾	9⅝
Depth, inches	1⅞	2⅛	2⅝
Mfs. Std. list	1.30	1.60	2.40

Plain tin; scalloped pattern. Open stock.



Nos.	60	80	100
List dozen	1.70	2.08	3.54
Diameter, ins.	6⅛	7¾	9⅝
Depth, inches	1⅞	2⅛	2⅝
Mfs. Std. list	1.75	2.15	3.00

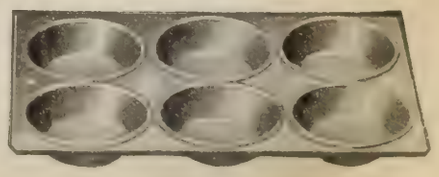
Plain; scalloped pattern; with centre tube. Open stock.

Nos.	41½	42	43
List dozen	4.72	5.68	6.60
Size, quarts	1½	2	3
Diameter, ins.	8	8¾	9½
Depth, inches	2⅞	3	3⅞
Mfs. Std. list	4.40	5.30	6.15

Retinned.

Round pattern; wide rim beaded, flat bottom with centre tube. Open stock.

MUFFIN PANS



Nos.	6	8	12
List dozen	3.88	4.86	7.78
Length frame, ins.	11	14⅜	14⅜
Width frame, ins.	7⅜	7⅜	11
Diam. cups, ins.	3½	3½	3½
Cups on frame	6	8	12
Mfs. Std. list	4.00	5.00	8.00

Plain; round cups with flat bottoms; solid frame with eyelet. Open stock.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

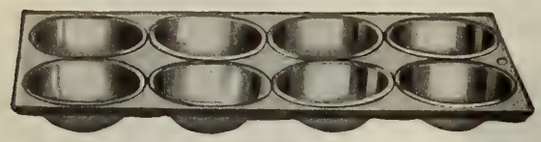
STAMPED TINWARE

TURK'S HEAD PANS

Nos.	106	108	112
List dozen	4.38	5.58	8.50
Length, frame, inches	11	14⅜	14⅜
Width, frame, inches	7⅜	7⅜	11
Diameter cups, inches	3½	3½	3½
Cups, on frame	6	8	12
Mfs. Standard list	4.50	5.75	8.75

Plain; corrugated cups; solid frame.
Open stock.

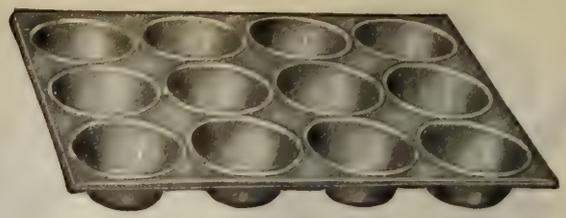
BISCUIT PANS



Nos.	160	180	1120
List dozen	4.38	5.58	8.50
Length, frame, inches	11	14⅜	14⅜
Width, frame, inches	7⅜	7⅜	11
Diameter cups, inches	3½	3½	3½
No. of cups	6	8	12
Mfs. Standard list	4.50	5.75	8.75

Plain; solid frame with eyelet; round cups.
Open stock.

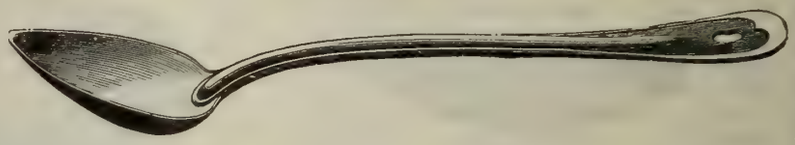
CORN CAKE PANS



Nos.	06	08	012
List dozen	4.38	5.58	8.50
Length, frame, inches	11	14⅜	14⅜
Width, frame, inches	7⅜	7⅜	11
Diameter cups, inches	3½	3½	3½
Cups, on frame	6	8	12
Mfs. Standard list	4.50	5.75	8.75

Plain; round cups, flat bottom; solid body.
Open stock.

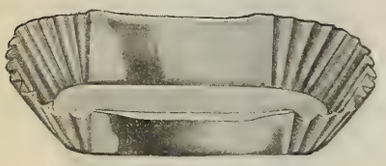
BASTING SPOONS



Nos.	12	14	16
List dozen	1.28	1.66	1.88
Length, inches	11¾	12⅞	15⅛
Mfs. Standard list	1.20	1.55	1.75

Retinned.
One-piece; threaded handle with eyelet.
1 dozen in a bundle.

NOVELTY BREAD PANS



No. 0. List per dozen 1.94
Plain; oval pattern; scalloped ends, plain sides and bottom; length 11½ inches, width 7½ inches, depth 2½ inches.
Mfs. Std. list $2.00.
Open stock.

PATTY PANS

Size, inches	3	3½
List gross	3.88	5.10
Mfs. Std. list	4.00	5.25

Plain tin; Washington scalloped.
1/2 gross in a bundle.

LADLES

Nos.	10	11
List dozen	3.76	4.30
Diameter bowl, inches	4	4½
Imperial pints	1/3	2/5
Mfs. Standard list	3.50	4.00

Retinned.
Half oval handle, hooked, rivetted to bowl.
1/2 dozen in a bundle.

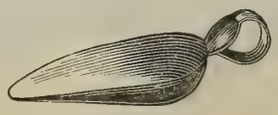
SKIMMERS

No. 12. List per dozen 3.76
Retinned.
5-inch, pieced bowl; half oval handle, hooked.
Manufacturers Standard list $3.50.
Open stock.

MILK SKIMMERS

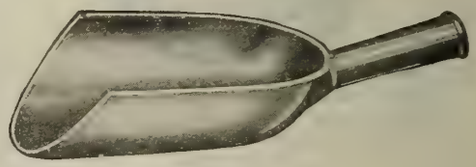
No. 2. List per dozen 1.02
Retinned.
One-piece; pierced, with eyelet; size 5⅝ x 5⅞ inches.
Manufacturers Standard list, .95.
Open stock.

THUMB SCOOPS



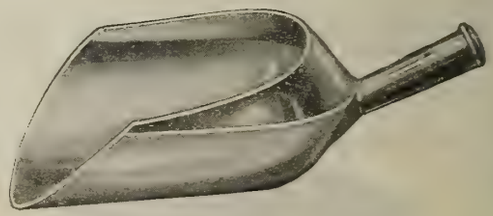
No. 12. List per dozen 2.96
Retinned.
One-piece body 5⅛ x 2⅜ inches; rivetted handle.
Manufacturers Standard list, $2.75.
Open stock.

GROCERS SCOOPS



Nos.	2	3	4
List dozen	6.28	7.60	9.44
Length, inches	10	10¾	13½
Width, inches	4¾	5⅜	6⅜
Mfs. Std. list	5.85	7.05	8.80

Retinned.
One-piece; beaded rim; hollow handle.
Open stock.



Nos.	20	30	40
List dozen	9.44	11.32	13.90
Length, inches	10	10¾	13½
Width, inches	4¾	5⅜	5⅜
Mfs. Std. list	8.80	10.55	12.95

Retinned.
Covered; seamed; beaded rim; round hollow handle.
Open stock.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

PIECED TINWARE

TEA KETTLES

"I X Tin Retinned."

Nos.	0600	0800
List dozen	11.96	14.36
Imp. quarts	2¼	3½
Diameter, ins.	9	9⅝
Height, inches	5½	6¼
Mfs. Std. list	4.50	5.40

Stamped body; flat tin seamed bottom; rivetted ears; wire bail handle with wood grip; embossed cover with wood knob.
Open stock.

WATER PAILS

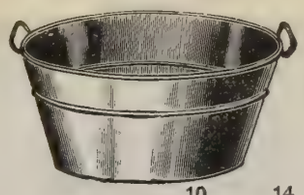
Size, quarts	6	10	14
I. C. Tin, list dozen	4.52	6.00	6.92
I. X. Tin, list dozen	....	....	11.16
Imp. quarts	4	8	10
Diam. top, ins.	9⅜	11¼	13⅛
Diam. bot., ins.	6⅞	7⅛	8⅞
Height, ins.	6¼	8⅜	8½
App. wt. doz., lbs.	11½	15	20
Mfs. Std. list	1.70	2.25	2.60

Flaring Pattern.
I. C., plain rim; I. X., wire beaded rim; rivetted ears; wire bail handle with wood grip.
Open stock.

TEA STEEPERS

No. 02. List per dozen 3.72
Flaring pattern; pieced body; beaded rim; soldered strainer spout; flat tin handle; seamless cover, rimmed, with knob; top diameter 3⅜ inches; bottom diameter 4⅜ inches, height 4⅛ inches; holds 1 Imperial pint.
Manufacturers Standard List, $1.40.
Open stock.

DISH PANS



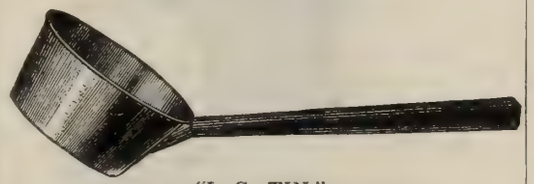
Nos.	10	14	20
List dozen			
Hinged handles	6.00	7.86	10.52
Rivetted handles	6.38	8.50	11.16
Imp. quarts	7	11	18½
Top diam., ins.	12½	15⅝	17¾
Bot. diam., ins.	9¼	11⅜	11⅞
Height, ins.	6¼	6¼	8⅝
Mfs. Std. list			
Hinged handles	2.25	2.95	3.95
Rivetted handles	2.40	3.20	4.20

Plain; seamed flared body; beaded rim; flat bottom; hinged wire handles and rivetted iron handles.
Open stock.

KNEADING PANS

20 Quart size. List per dozen 17.16
Flared seamed sides; rivetted iron handles; beaded rim; flat bottom; top diameter 17¾ inches, bottom 11⅞ inches, height 8⅝ inches; seamless cover; flanged and beaded; rivetted handle; ventilated; holds 18½ Imperial quarts.
Manufacturers Standard list, $6.45.
Open stock.

FAMILY DIPPERS



"I. C. TIN."

Size, Quarts	1	2
List gross	31.90	53.18
Imp. quarts	1	1½
Diam. top, ins.	6½	8
Diam. bot., ins.	4	4¾
Depth, ins.	4	4½
Mfs. Std. list	12.00	20.00

Flared bowl; beaded rim; round hollow rivetted handle with eyelet.
Open stock.

LAUNDRY DIPPERS

2 Quarts. List per gross 53.18
Flared bowl; beaded rim; diameter top 8 inches, diameter bottom 4¾ inches, depth 4½ inches; hollow rivetted handle; holds 1½ Imperial quarts.
Manufacturers Standard List, $20.00.
Open stock.

COVERED PAILS

Size, quarts	1	2	3
List dozen	2.92	3.72	4.78
Imp. quarts	7/8	1½	2½
Diam., ins.	4¾	5½	6⅜
Depth, ins.	4⅝	5¼	6½
Mfs. Std. list	1.10	1.40	1.80

Size, quarts	4	6	8
List dozen	6.00	8.38	11.08
Imp. quarts	3½	5¼	7¼
Diam., ins.	7¼	7⅞	8¾
Depth, ins.	7¼	8¼	9⅜
Mfs. Std. list	2.25	3.15	4.17

I. C. Tin.
Plain body; rivetted ears; wire bail handle; beaded rim; embossed slip on cover with coppered wire ring.
Open stock.

OBLONG DINNER PAILS

No. 25. List per dozen 15.04
Plain body; beaded rim; round corners; rivetted ears; improved self-locking wire bail handle with wood grip; slip-on cover with tea cup; tea containers and pie tray; size with cover 8¾ x 6 x 7⅞ ins.; size of cup 3¼ x 1⅝ inches.
Manufacturers Standard list, $5.65.
Open stock.

CUPS

Size	1/2-pt.	1-pt.	3-qt.
List gross	12.76	19.14	46.78
Imp. pints	1/3	7/8	2½
Diam., ins.	3	4¼	6½
Depth, ins.	2⅛	2⅞	6½
Mfs. Std. list	4.80	7.20	17.60

Plain; beaded rim; rivetted flat wired handle.
Open stock.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

PIECED TINWARE

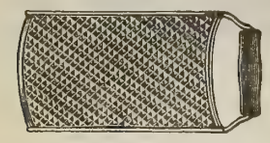
STEAMERS

Nos.	Size, inches.	Mfs. Std. List.	List per dozen.
7	9½x5	3.70	9.84
8	10⅜x5	3.95	10.52
9	11¼x5	4.20	11.16

Pierced Pit Bottom.

Beaded wire rim; embossed pit bottom perforated with 1/2-inch holes; flat side handles; flanged seamless cover with flat handle. Open stock.

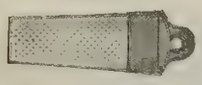
GRATERS



Nos.	25	50
List dozen	1.60	2.26
Length, inches	8	11¼
Width, inches	3¼	4¼
Mfs. Std. list	.60	.85

Bright tin, folded over steel wire frame; No. 25, 1/4 sheet; No. 50, 1/2 sheet; ebonized wood handle. 1 dozen in a bundle.

BOX GRATERS



No. 1. List per gross 13.30

Oval grating front with container; hinged cover; flat back with eyelet; size 5½ x 2 inches.

Manufacturers Standard list, $5.00.
1/12 gross in a bundle.

FUNNELS

Size, Quarts.	Size, inches.	Mfs. Std. List	List dozen.
1/4	3⅞x 4¼	.50	1.32
1/2	5 x 5½	.70	1.86
1	6⅝x 7	.90	2.40
2	8¼x 8¾	1.25	3.34
4	9½x10	2.50	6.64

Flanged; beaded rim; plain spout.
Open stock.

COOKIE CUTTERS

Size 3 x 1 inch. List per gross 13.30

Crinkled pattern; flat back with vent; flat handle. Open stock.

Manufacturers Standard list, $5.00.

DOUGHNUT CUTTERS

Size 3 x 1 inch. List per gross 15.96

Plain outside and centre cutters; flat back; flat handle.

Manufacturers Standard list, $6.00.
Open stock.

BISCUIT CUTTERS

Size 3 x 1 inch. List per gross 11.30

Plain cutter; flat back with vent; flat handle.

Manufacturers Standard list, $4.25.
Open stock.

FRUIT JAR FILLERS

No. 3. List per dozen 2.00

Round bowl; beaded rim; 5¼ x 3⅛ ins. diameter; round tube 2 inches diameter; flat rivetted handle, beaded.

Manufacturers Standard list, 75c.
Open stock.

IMPERIAL LIQUID MEASURE

Capacity	Mfs. Std. List.	Net Stamping per doz.	List per dozen.
1/2 Pint	3.40	.60	9.04
1 Pint	4.00	.60	10.64
1 Quart	4.60	1.20	12.22
1/2 Gallon	6.50	1.20	17.28
1 Gallon	7.80	1.20	20.74

Government Stamped.

Pieced; heavy tin; banded top, soldered beaded lip and handle.

Government Stamping extra, **Net Cash.**
Open stock; paper wrapped.

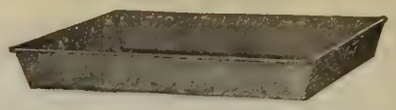
CULLENDERS

No. 10. List per dozen 4.52

Flared seamed body, perforated; beaded rim; flat beaded handles; flanged foot.

Manufacturers Standard list, $1.70.
Open stock.

BREAD PANS



No. 6. List per dozen 4.40

Flared sides; flat bottom; wired rim; folded ends, wire handles; size 12¼ x 9¼ x 1¾ inches.

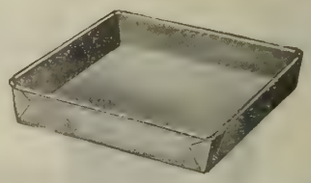
Manufacturers Standard list, $1.65.
Open stock.

Nos.	Size, inches.	Mfs. Std. List.	List per dozen.
2	9⅝x5¾x2½	1.10	2.92
1	10¾x6⅝x2	1.20	3.20
3	10½x6¼x3¾	1.40	3.72
5	13⅝x7¾x3⅝	2.00	5.32
110	8¾x4⅞x3	1.10	2.92
210	14¾x5 x3	1.40	3.72

Flared sides; flat bottom; wired rim; folded ends.

Open stock.

SQUARE JELLY CAKE PANS

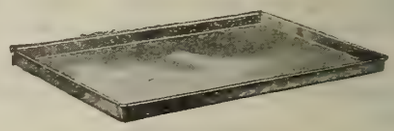


Nos.	Size inches.	Mfs. Std. List.	List per dozen.
08 shallow	7¾x7¾x7/8	.90	2.40
8 deep	8 x8 x1⅝	1.00	2.66
9 deep	9 x9 x2	1.40	3.72

Straight sides; flat bottom; wired rims; folded ends.

Open stock.

OIL STOVE OVEN CAKE PANS



No. 8 1/4. List per dozen 8.50

Straight sides; 1⅛ inches deep; flat bottom; 17 x 11 inches; wired rim; folded ends.

Manufacturers Standard List, $3.20.
Open stock.

COMMON SQUARE PIE PANS

No. 12. List per dozen 2.66

Flanged sides; 1⅜ inches deep; wired rim; folded ends; flat bottom 11¾ x 8 inches.

Manufacturers Standard list, $1.00.
Open stock.

Sizes given are the makers figures; Imperial capacities are approximate and are given for reference only.

SAMSON TIN WASHBOILERS

Nos.	38	39
List dozen	78.00	84.00
App. Imperial gals.	10	12
Height, inches	13	13
Width, inches	12¼	13
Length, inches	22½	24
App. ship. wt. doz., lbs.	140	155

FULLY GUARANTEED

Flat Copper Bottom.

XXX charcoal tin plate; wire hoop reinforced top; heavy copper bottom, double seamed on; heavy hook, drop handles with heavy wood grips; seamless cover with wood grip hooked handle; made with a slight flare allowing them to be nested; guaranteed water tight.

1/4 dozen in a crate.

FULLY GUARANTEED

PIECED TINWARE

WASH BOILERS

Nos.	80	90
List dozen		
I. C. Tin	33.90	38.04
I. X. Tin	34.90	39.00
Size top, ins.	20½x11¼	22¾x12
Size bot., ins.	19¾x10⅛	21⅝x11
Height, ins.	13	13

Flat Copper Bottom.

Oval body; tight seamed; flat copper bottom; heavy beaded wire rim; hook-on wood grip rivetted handles; flanged seamless cover with flat beaded handle.

Open stock; nestable.

Nos.	8	9
List dozen		
I. C. Tin	33.90	38.04
I. X. Tin	34.90	39.00
Size, top, ins.	20½x11¼	22¾x12
Size, bot., ins.	19¾x10⅛	21⅝x11
Height, inches	13¾	13¾

Pit Copper Bottom.

Oval body; tight seamed; common pit copper bottom; heavy beaded wire rim; hook on, wood grip handles, securely rivetted; flanged, seamless cover with flat beaded handle.

Open stock; nestable.

COAL OIL CANS

1/2 Gallon. List per dozen 7.44

Corrugated body; round dome top with screw cap; 6⅛ inches diameter; 4¾ ins. high to breast; open spout; wire bail handle with wood grip.

Manufacturers Standard list, $2.80.

Open stock.

1 Gallon. List per dozen 9.04

Corrugated body; round dome top with screw cap; 6⅛ inches diameter, 9⅝ ins. high to breast; open spout; wire bail handle with wood grip.

Manufacturers Standard list, $3.40.

Open stock.

SQUAT PATTERN

1 Gallon. List per dozen $9.04

Screw Cap Spout.

Corrugated body, 8¾ inches diameter, 4½ inches high to breast; plain dome top with screw cap; rivetted ears; wire bail handle with wood grip.

Manufacturers Standard list, $3.40.

Open stock.

COAL OIL CANS

2 Gallons. List per dozen 14.10

Screw Cap Spout.

Corrugated body; 8¾ inches diameter, 9⅜ inches high to breast; plain dome with screw cap; rivetted ears; wire bail handle with wood grip.

Manufacturers Standard list, $5.30.

Open stock.

JACKETED OIL CANS

WOOD JACKETED.

5 Gallons. List per dozen 17.94

Imperial Measure.

Bright tin; dome top with 1⅞ inch vented nozzle; steel ears; wire bail handle with wood grip; wood jacket with bottom, also top and bottom rim; diameter 11¼ inches; height to breast 13⅝ inches; average weight per dozen, 60 pounds.

Open stock.

Sizes are Manufacturers measurements. Imperial capacities are approximate and are given for reference only.

SAMSON TIN DAIRY PAILS

Nos.	510	512	514
List dozen	19.20	20.40	22.80
Size, quarts	10	12	14
Imperial quarts	9	11	13
Diameter top, inches	11½	12	12⅞
Height, inches	9	10	10⅜
App. weight dozen, lbs.	33	36	40

3-X Charcoal Plate.

An extra well made and durable pail of heavy charcoal tin plate; beaded top reinforced with heavy wire hoop; beaded bottom rim; plain concaved bottom double seamed on; reinforced, rivetted ears; heavy wire bail handle with wood grip; hand soldered throughout and carefully tested.

Paper wrapped.

SAMSON TIN STRAINER PAILS

Nos.	272	274
List dozen	31.20	32.40
Size, quarts	12	14
Diameter top, inches	12	12¾
Height, pail, inches	10	10½
Imperial quarts	11	13
App. weight dozen, lbs.	39	43

3-X Charcoal Plate.

Made from charcoal heavy tin plate with high pyramid seams; beaded top reinforced with heavy wire hoop; beaded bottom rim; broad hood with large oval lip fitted with 70 mesh brass strainer cloth; plain concaved bottom double seamed on; heavy rivetted ears; heavy wire bail handle with wood grip; each pail carefully hand soldered and tested.

Paper wrapped.

FULLY GUARANTEED

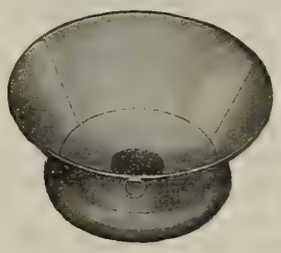
DAIRY PAILS

Nos.	12	14	16
List dozen			
I. X. Tin	10.24	12.10	14.10
XX. Tin	.....	14.62	16.74
Imperial quarts	8½	11	14
Diam. top, inches	10¾	11¼	11¾
Diam. bot., ins.	8⅜	9⅛	9⅝
Height, inches	8⅜	9⅝	10⅞
Mfs. Std. list			
I. X. Tin	3.85	4.55	5.30
XX. Tin	....	5.50	6.30

Plain; straight pattern; beaded rim; flat bottom; rivetted ears; wire bail handle with wood grip.

Open stock.

MILK STRAINERS



No. 95. List per dozen 4.52

Brass Gauze Strainer; Bottom Rimmed.

Wire beaded edge; coppered wire eyelet; fine brass gauze strainer 1⅞ inches diameter; diameter at top 9⅝ inches, diameter at bottom 7 inches, depth 3⅛ inches, height over all 4⅛ ins.; average weight per dozen, 7½ pounds.

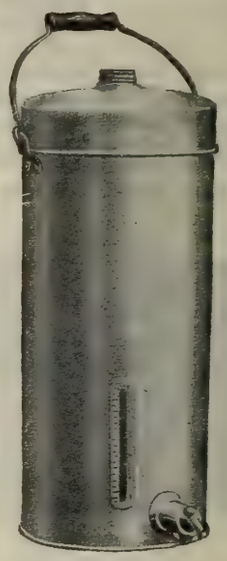
Open stock.

SAMSON PAILS

ARE MADE EXTRA STRONG TO WITHSTAND HARD USAGE.

THEY ARE FULLY GUARANTEED TO GIVE SATISFACTION.

CREAMERY CANS



Nos.	5	15
List dozen		
I. C. Tin	27.26	29.24
I. X. Tin	.....	34.56
Size, quarts	12	20
Imperial quarts	9½	14
Diameter, inches	8¾	8¾
Height, inches	13½	19

Pieced.

Round body with wire beaded top and bottom rims; gauge glass and solid fast key tap; deep seamless cover with screw cap and brass gauze strainers; rivetted ears; wire bail handle with wood grip.

Open stock.

Sizes are Manufacturers measurements. Imperial capacities are approximate and are given for reference only.

JAPANNED WARE

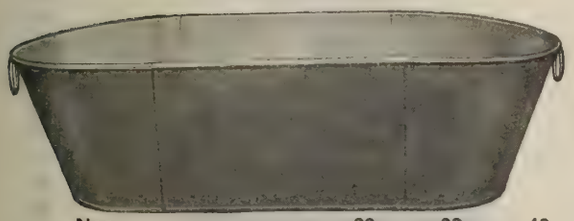
CHAMBER PAILS

Nos.	3	4
List dozen	17.78	19.02
Size, quarts	12	16
Imperial quarts	8½	11
Diameter, inches	10⅞	10⅞
Height, inches	10⅞	12¾
Mfs. Std. list	7.90	8.45

Round body; beaded rim; flanged foot; rivetted ears; wire bail handle with wood grip; flanged slip cover with handle.

Wrapped individually.

INFANTS' BATHS



Nos.	28	32	40
List each	4.72	5.40	6.52
Length, top, ins.	27⅞	32	38⅞
Width top, ins.	14⅞	17¼	19⅛
Length, bot., ins.	22⅛	25½	32
Width bot., ins.	9½	11¾	12⅞
Height, ins.	7⅞	9¼	10⅞
Mfs. Std. list	2.10	2.40	2.90

Pieced tin; well seamed; wire rim; beaded; heavy wire handles; pearl grey outside; white enamel inside.

Open stock; paper wrapped.

PEPPER BOXES

Pepper Boxes

Dredge Boxes

No. 2. List per gross 10.12

Round body; seamed and beaded top; perforated slip cover; gold lacquered finish.

Manufacturers Standard List, $4.50.

Open stock.

DREDGE BOXES

Nos.	1	2
List gross	18.22	24.30
Size, inches	3x3	3½x3½
Mfs. Std. list	8.10	10.80

Round body; seamed and beaded top; slip cover perforated; gold lacquered finish. Open stock.

SAVOY BREAD BOXES

Nos.	5	15	25	35
List dozen				
Pearl Grey	20.24	28.34	32.40	35.10
White	22.08	31.92	35.34	38.28
Length, ins.	13	13	15½	18
Width, ins.	9½	9½	10½	12½
Depth, ins.	7	10¼	12	13¾
Mfs. Std. list	9.00	12.60	14.40	15.60

Seamless body; round corners; seamless cover embossed wired and beaded; hasp and staple for locking; wire handles.

Wrapped individually.

FAMILY FLOUR CAN

Size, lbs.	25	50	100
List each	2.82	3.38	5.08
Diameter, inches	10	11⅞	15⅝
Height, ins.	17	23⅛	26¼
Mfs. Std. list	1.25	1.50	2.25

Pearl Grey Finish.

Round body; seamed; wired rim beaded; heavy wire handles; flanged and beaded slip cover with handle.

Open stock; paper wrapped.

SAVOY GROCERY CANS

Nos.	1	2	3	4	5
List dozen	3.38	5.08	8.44	10.70	12.94
Diam., ins.	4⅛	5½	6¼	7⅛	8
Height, ins.	5⅞	6⅞	9½	10½	12½
Mfs. Std. list	1.50	2.25	3.75	4.75	5.75

Stencilled for

Flour, Oatmeal, Sugar, Tea and Coffee.

Round body; seamed; wired rim, beaded; corrugated slip cover with wire ring handle; pearl grey finish.

Wrapped individually.

TEA CANISTERS

Size, lbs.	1	2
List dozen	3.14	4.04
Diameter, inches	4½	5½
Height, inches	6	8
Mfs. Std. list	1.40	1.80

Round body, seamed; dome top; slip cover; pearl grey finish.

Open stock; paper wrapped.

COFFEE CANISTERS

Size, lbs.	1	2
List dozen	3.14	4.04
Diameter, inches	4½	5½
Height, inches	6	8
Mfs. Std. list	1.40	1.80

Round body; seamed; dome top; slip cover; pearl grey finish.

Open stock; paper wrapped.

Measurements given above are the Manufacturers figures.

JAPANNED WARE

WATERING POTS

Size, quarts	1	2	3
List dozen	7.20	8.68	10.12
Imperial quarts	7/8	1½	2½
Diameter, inches	4½	5⅜	6¼
Height, inches	5⅝	5¼	6⅝
Rose, No.	0	0	0
Mfrs. Std. list	3.20	3.85	4.50

Size, quarts	6	10	14
List dozen	12.72	15.98	18.22
Imperial quarts	4¾	7¾	9¾
Diameter, inches	7⅛	8¾	9¼
Height, inches	8¼	9⅛	10¼
Rose, No.	0	1	1
Mfs. Standard list	5.65	7.10	8.10

Round body; dome top; wired flat handle; tilting handle on the side; threaded detachable roses; green japanned finish.
Open stock; paper wrapped.

CUSPIDORS

"DAISY"

No. 10. List per dozen 4.28
Seamed body; flanged top; wide rim, beaded; diameter 3⅞ inches; height 4 inches; opening 2¾ inches; pearl grey finish with gold bands.
Manufacturers Standard list, $1.90.
Wrapped individually.

Nos.	0	1
List dozen	6.52	10.12
Bottom	Light	Loaded
Diameter, inches	8⅜	8⅜
Height, inches	5¾	5¾
Opening, inches	3/4	3/4
Mfs. Standard list	2.90	4.50

Seamed body; flanged top; wide rim beaded; pearl grey finish with gold bands.
Wrapped individually.

FEED PANS

No. 60. List per dozen 6.20
Round body; flat bottom; beaded rim; with handle; black japanned finish; gold stencilled, diameter 6¾ inches, height 7¼ inches.
Manufacturers Standard list, $2.75.
Open stock.

DUST PANS

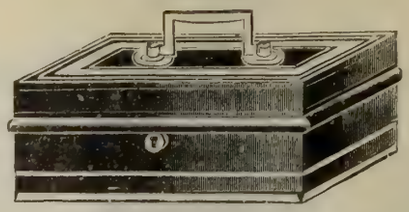
No. 01. List per dozen 2.60
I. C. Tin, Black Japanned.
Corrugated bottom and sides; length 13 inches, width 8¼ inches; round rivetted handle with eyelet.
Manufacturers Standard list, $1.15.
1/2 dozen in a bundle.

No. 1. List per dozen 4.50
Black Japanned.
Corrugated bottom and sides; with cover, length 13½ inches, width 8¾ inches; round rivetted handle with eyelet.
Manufacturers Standard list, $2.00.
1/2 dozen in a bundle.

DEED BOXES

No. 204 x 12. List each 6.00
Japanned and Lacquered.
Japanned tin, aluminum painted inside; heavy beaded top rim; wire rimmed hinged lid; wire folding side handles; outside dimensions 12½ inches long, 7⅛ inches wide, 4¾ inches deep; double link, 4 lever lock with 1 key; strongly made throughout; average weight per dozen, 32 pounds.
Open stock; paper wrapped.

CASH BOXES



No. 162.

Sizes	9	10	12
List each	14.00	15.00	16.00
Length, inches	9	10	12¼
Width, inches	5¾	6	7½
Depth, inches	3½	3⅞	4⅝
App. wt. doz., lbs.	30	38	54

Japanned and Decorated.
Heavy tin; top rim heavy beaded; wire rimmed hinged lid; red and gilt striped; folding brass handle and escutchens; removable 3-compartment tray which fits the top half of the box; double link, 4 lever lock with 2 keys; strongly made, secure; measurements given are outside dimensions.
Open stock; paper wrapped.

KITCHEN MATCH SAFES

No. 2. List per dozen 8.44
Pearl Grey Japanned.
6¾ inches wide, 6¼ inches high; with separate compartments for used and unused matches.
Manufacturers Standard list, $3.75.
1/2 dozen in a bundle.

COMB CASES AND MATCH SAFES

"EMBOSSED."

No. 2. List per gross 25.18
2 match containers with strikers; straight back with eyelet; comb case 7 x 3 inches; height over all, 6¾ inches.
Manufacturers Standard list, $14.40.
Open stock.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

SAMSON GALVANIZED WASHTUBS

Nos.	11	22	33
List dozen	43.20	49.20	54.00
Diameter top, inches	21	23	26¼
Depth, inches	10	10½	10¾
Imperial gallons	11	13	15
App. weight dozen, lbs.	100	126	156

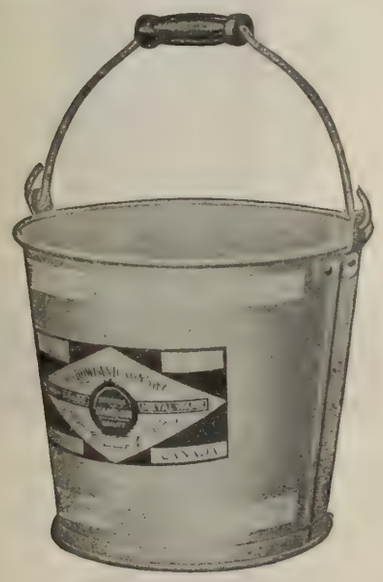
Extra Heavy.

A particularly strong and serviceable tub made of the very best, extra heavy galvanized sheets; beaded top reinforced with heavy wire hoop; plain concaved bottom double seamed on; heavy galvanized metal reinforcements are securely rivetted to the sides and keep the wringer in a fixed position; heavy bottom beaded rim; extra strong double hook handles with wood grip which can be opened up for carrying and pushed down out of the way when not in use.

Open stock.

FULLY GUARANTEED

SAMSON GALVANIZED WATER PAILS



Nos.	120	140	160
List dozen	18.00	20.40	21.60
Size, quarts	12	14	16
Imperial quarts	11	13	15
Diam. top, ins.	12	13	13½
Height, ins.	10	10½	10¾
App. wt. doz., lbs.	42	49	54

Extra Heavy

Extra well made from the best quality, heavy galvanized sheets; high pyramid seams; beaded top reinforced with heavy wire hoop; plain concaved bottom double seamed on; heavy bottom beaded rim; high butterfly type ears securely rivetted; heavy wire bail handle with wood grip; carefully hand soldered and attractively striped in red; there is no better, more serviceable water pail to be had.

1/2 dozen wired in a bundle.

SAMSON GALVANIZED STOCK PAILS

Nos.	122	144	166
List dozen	22.80	24.00	26.40
Size, quarts	12	14	16
Imperial quarts	11	13	15
Diam. top, ins.	12	13	13½
Height, inches	10	10½	10¾
App. wt. doz., lbs.	46	53	58

26-Gauge.

A heavy type pail built to stand up under rough usage; made from the best quality 26 gauge galvanized sheets with high pyramid seams; beaded top reinforced with heavy wire hoop; heavy bottom beaded rim; plain concaved bottom double seamed on; firmly rivetted extra heavy ears; heavy wire plain bail handle; hand soldered and attractively striped in red.

1/2 dozen wired in a bundle.

SAMSON GALVANIZED STOCK PAILS

Nos.	314	316
List dozen	25.20	26.40
Size, quarts	14	16
Imperial quarts	13	15
Diam. top, inches	13	13½
Height, inches	10½	10¾
App. wt. doz., lbs.	55	60

24-Gauge.

An extra heavy pail built for extra heavy service; made from the best quality 24-gauge galvanized sheets with high pyramid seams; beaded top reinforced with heavy wire hoop; heavy bottom beaded rim; plain concaved bottom double seamed on; firmly rivetted extra heavy ears; heavy wire plain bail handle; hand soldered and attractively striped in red.

1/2 dozen wired in a bundle.

FULLY GUARANTEED

SAMSON GALVANIZED WASH BOILERS

Nos.	18	19
List dozen	60.00	66.00
App. Imp. gals.	10	12
Height, ins	13	13
Width, ins.	12¼	13
Length, ins.	22½	24
App. ship. wt. doz., lbs.	150	175

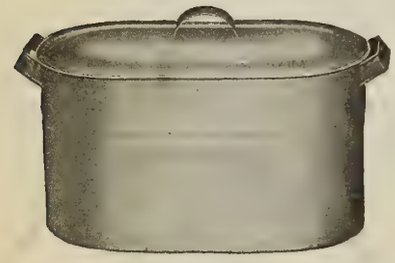
Flat Bottom; Extra Heavy.

Made from heavy galvanized sheets; heavy wire reinforced top; extra heavy bottom, double seamed on; heavy double hook, drop handles with mahogany wood grips; seamless cover with hooked handle and heavy wood grip; carefully hand soldered and guaranteed water tight; attractively labelled and striped; made with a slight flare allowing them to be nested.

1/4 dozen in a crate.

GALVANIZED WARE

WASH BOILERS



Nos.	80	90
List dozen	24.20	24.70
Imperial gallons	8	10
Size top, inches	20½x11¼	22¾x12
Size bottom, inches	19¾x10⅛	21⅝x11
Height, inches	13	13

Flat Bottom, Hot Galvanized.

Oval body; tight seamed flat bottom; heavy beaded wire rim; rivetted handles; flanged, seamless cover with beaded flat handle.

Open stock; nestable.

WASH TUBS

Nos.	0	1	2	3
List dozen	17.08	22.82	24.84	28.34
Top, inches	17¾	20¼	23⅛	25¼
Bot., ins.	15¾	16¾	18⅞	20¾
Height, inches	8¼	11	11	11
Imperial gals.	5¾	10	12¾	15
Mfs. Std. list	9.25	12.40	13.50	15.40

Hot Galvanized.

Heavy wire rimmed; corrugated bottom and wringer attachments; strong drop handles, secured by rivetted ears.

1/2 dozen wired in a bundle.

WATER PAILS

STRAIGHT PATTERN

Nos.	12	14	16
List dozen	7.36	8.28	9.38
Imperial quarts	8	10½	13
Top, inches	10⅝	11¼	11⅞
Bottom, inches	8⅜	9⅛	9¾
Height, inches	8⅜	9⅝	10⅞
App. wt. doz., lbs.	26	30	40
Mfs. Std. list	4.00	4.50	5.10

Hot Galvanized.

Seamed body with beaded rim; welded ears; swaged and corrugated bottom; 1/4 inch round wire, plain bail handle.

1 dozen wired in a bundle.

"FLARING PATTERN"

Size, ins.	11	12	13	14
List dozen	8.28	9.20	10.50	12.14
Imp. quarts	7½	8½	12	14
Top, ins.	10¾	11⅞	12¾	13⅞
Bot., ins.	7½	7¾	8⅞	9½
Height, ins.	9	9½	10⅜	10¾
Mfs. Std. list	4.50	5.00	5.70	6.60

Hot Galvanized; with Rim.

Seamed body with beaded edge; bottom rim; rivetted ears; 1/2 inch fluted rod bail handle.

1 dozen wired in a bundle.

RADIATOR CANS

No. 16. List per dozen 20.24

Hot Galvanized.

Plain body; round seamless dome; black wired handle; shaped spout; round hollow tilting handle, rivetted; diameter 9¼ inches; height 11 inches; holds 10⅞ Imperial gallons; decorated with red bands.

Manufacturers Standard list, $11.00.

Open stock.

WATERING POTS

Quarts	6	10	14
List dozen	14.72	16.56	20.24
Diameter ins.	7⅛	8¾	9¼
Height, inches	8¼	9⅛	10¼
Imperial quarts	4¾	7¾	9¾
Mfs. Std. list	8.00	9.00	11.00

Hot Galvanized.

Seamed body; wired rim; plain dome top; flat handle wired; round spout with detachable rose; flat (wired) tilting handle.

Open stock.

Sizes are Manufacturers measurements. Imperial capa cities are approximate and are given for reference only.

GALVANIZED WARE

FIRE BUCKETS

No. 14.

Stencilled. List per dozen 10.58

Painted Red and Stencilled. List per doz. 14.42

Hot Galvanized; Straight Pattern.

Seamed body; with beaded rim; top diameter 11¼ inches, bottom diameter 9⅛ inches, height 9⅝ inches; welded ears; 1/4 inch round wire plain bail handle; half round bottom; holds 10½ Imperial gallons. Open stock.

CHAMBER PAILS

Nos.	30	40
List dozen	17.48	20.26
Diameter, inches	10⅞	10⅞
Height, inches	10⅞	12¾
Mfs. Std. list	9.50	.11.00

Hot Galvanized.

Seamed; flared body with beaded feet; slip cover with flat handle; rivetted handles, rivetted ears; wire bail handle with wood grip.

Open stock.

PRODUCE BASKETS

1 Bushel. List per dozen 22.08

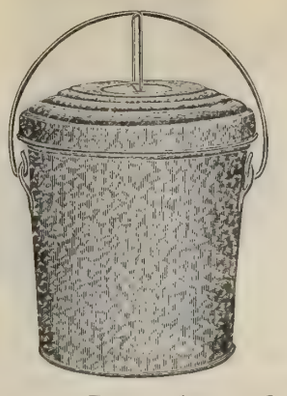
Hot Galvanized.

Round body; beaded rim; corrugated bottom; 3/4 inch round steel handles placed below the top edge; depth 17⅝ inches, diameter 11⅝ inches.

Manufacturers Standard list $12.00.

Open stock.

GARBAGE CANS



Nos.	0	1	2	3
List each	1.02	1.66	2.20	2.84
Diam. top, ins.	11¼	12¼	13¾	15¼
Diam. bot., ins.	9⅛	10¾	12	13⅜
Height, ins.	9⅝	13⅝	14½	16⅞
Mfs. Std. list	.55	.90	1.20	1.55

Hot Galvanized.

Seamed body; wired rim; rivetted ears; round bail handle; No. 0, seamless slip cover; rivetted half round handle; Nos. 1, 2, 3, deep seamless cover with fastener, nestable.

Open stock.

SANITARY CLOSETS

No. 2. List each 6.44

Waxed walnut finished seat; tight fitting hinged cover; inner receptacle 12¼ x 13⅝ inches hot galvanized; outer receptacle 13¾ x 14½ inches, hot galvanized, brown japanned; size of vent 3 inches; adaptable for summer homes where there are no waterworks. Connect with chimney flue by vent pipe. Air holes at bottom of outer can ensure a constant draft.

Manufacturers Standard list $3.50.

COAL OIL CANS

1/2 Gallon.

List dozen 8.02

Hot Galvanized.

Seamed corrugated body, 6⅛ inch diameter, 4½ inches high to breast; corrugated dome top with screw cap; open spout; rivetted ears; wire bail handle with wood grip.

Mfs. Std. list $4.35.

Open stock.

COAL OIL CANS

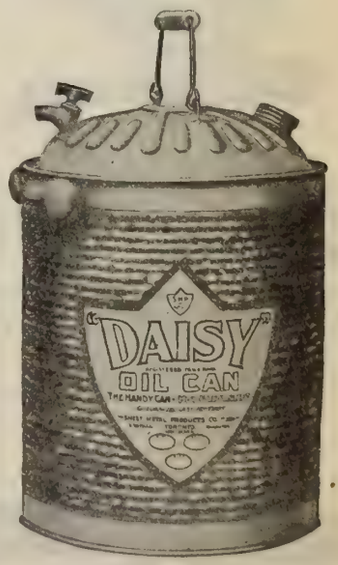
Gallons	1	2	3	5
List dozen	10.12	15.64	19.32	24.84
Diam., ins.	8¾	8¾	9¼	11½
Height, ins.	7½	9⅜	12⅜	13⅝
Mfs. Std. list	5.50	8.50	10.50	13.50

Hot Galvanized.

Corrugated, seamed body; embossed round dome top, with screw cap; straight spout with screw cap; rivetted ears with wire bail handle with wood grip; decorated with red bands.

Open stock.

DAISY OIL CANS



No. 25.

5 Gallons. List per dozen 25.76

Hot Galvanized.

Corrugated body; dome top with improved metal tap and screw cap; lay-down pattern with feet to prevent rolling; rivetted ears; wire bail handle with wood grip; red painted dome and rims; 11½ inches diameter, 13⅝ inches high to breast; average weight per dozen, 48 lbs.

Manufacturers Standard list $14.00.

Open stock.

Measurements given are the Manufacturers figures.

BREAD MAKERS
or
Bread Mixers.

"CANUCK"

8 Loaf size. List each 6.50

Mixes and kneads the dough perfectly in two and a half minutes, quicker and far better than by the old hand kneading process.
Tinned heavy pail with wire beaded edge and heavy wire rivetted handles; stamped tin cover; tinned stirring rod and bridge-clamp; tinned crank with ebonized wood knob; strong table clamp opens 1⅛ inches; top diameter 12⅝ ins., bottom diameter 9⅛ inches, height 11⅛ inches; average weight per dozen, 105 pounds.

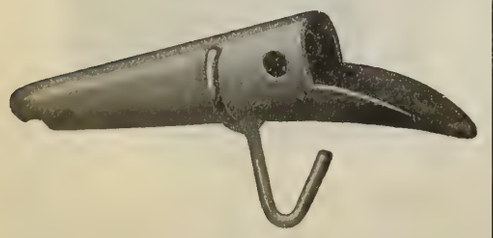
Each in a box.

SAP SPOUTS

"Eureka." List per 1,000 ..... 30.50

Lacquered cast iron; 2¾ inches long; coppered steel wire bucket hook; easy to insert and withdraw; average weight per box, 23 pounds.

1/4 Thousand in a wooden box.



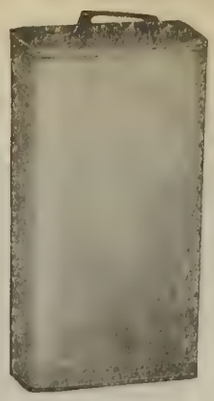
S. M. P. List per 1,000 ..... 50.50

Galvanized.

Pressed steel; 3⅝ inches long; steel wire bucket hook; long bent lip; average weight per thousand, 63 pounds.

1/2 Thousand in a box.

SYRUP CANS



SQUARE.

Gallons	1/4	1/2	1
List per 100	19.86	25.70	33.50
Length, ins.	4⅜	5	6
Width, ins.	3⅛	3¾	4⅛
Height, ins.	5¾	8⅝	11⅞

Imperial Measure.

Pieced tin; carefully seamed; screw cap and beaded flat handle on top.
Open stock.

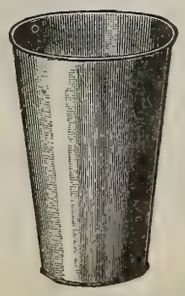
SAP BOILERS

Sap Boilers. List per dozen 48.00

Black Sheet Iron.

Pieced body; rivetted seams; beaded rim reinforced with wire hoop; heavy (rivetted) ears; wire bail handle; top diameter 22 inches, bottom diameter 16 inches, height 16 inches; holds 15 Imperial gallons.
The seams of these boilers are not soldered but the syrup seals them when first used; average weight per dozen, 93 lbs.
Open stock.

SAP PAILS OR BUCKETS



STRAIGHT PATTERN

No. 12. List per 100 ..... 48.00
Plain tin seamed body, with eyelet; wired top rim, beaded bottom rim; top diameter 8⅜ inches, bottom diameter 5⅝ inches, height 12⅝ inches; holds 6½ Imperial quarts; average weight per hundred, 118 pounds.
1/4 Hundred in a bundle.

SAP PAILS OR BUCKETS

FLARING PATTERN

10 Quart. List per 100 ..... 40.00
Plain tin seamed body, with eyelet; wired top rim, beaded bottom rim; top diameter 10⅞ inches, bottom diameter 7¼ inches, height 8⅜ inches; holds 6½ Imperial quarts, average weight per hundred, 121 pounds.
1/4 Hundred in a bundle.

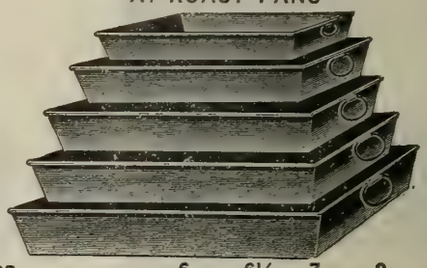
BREAD PANS

Nos.	1	2	3	5
List dozen	2.70	2.48	3.14	4.50
Length, ins.	10¾	9⅝	10½	13⅝
Width, ins.	6⅝	5¾	6¼	7¾
Depth, ins.	2	2½	3¾	3⅝
Mfs. Std. list	1.20	1.10	1.40	2.00

Sheet Steel.

Black sheet steel; folded ends; beaded rim.
Open stock.

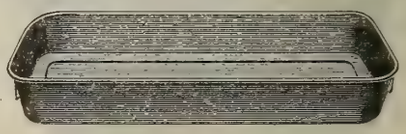
A1 ROAST PANS



Nos.	6	6½	7	8	8½
List dozen	5.50	3.72	4.94	5.98	6.52
Length, ins.	12¼	14	14½	16¼	17¾
Width, ins.	9¼	8¼	10	11½	10
Depth, ins.	1¾	2⅛	2½	2½	2½
Mfs. Std. list	1.55	1.65	2.20	2.65	2.90

Black sheet steel; beaded rim; folded ends; two wire drop handles.
Open stock.

SEAMLESS ROAST PANS



Nos.	6	7	8	9
List dozen	3.50	4.94	5.98	6.74
Length, ins.	13¾	14½	15⅞	17
Width, ins.	9	9¾	11⅛	12
Depth, ins.	2	2	2¼	2⅜
Mfs. Std. list	1.55	1.65	2.20	2.65

Seamless blued steel; round corners; beaded rim; embossed bottom; two wire drop handles.
Open stock.

Measurements given are the Manufacturers figures.

ROASTERS

"GEM."

Nos.	00	0
List dozen	11.24	12.28
Diam. bot. ins.	10½	12⅛
Depth, inches	3¾	4
Height (over all) ins.	6½	8
Mfs. Std. list	5.00	5.45

Sheet Iron.

Round; seamless; beaded rims; embossed feet; self-basting.
No. 00 will fit all standard one burner oil and gas ovens.

Open stock.

Nos.	10	20
List dozen	15.20	16.88
Bottom Pan:		
Length, ins.	14⅞	17½
Width, ins.	10½	11⅜
Depth, inches	3¾	4
Height, (over all) ins.	6¾	7
Mfs. Std. list	6.75	7.50

Sheet Iron.

Oval; seamless; beaded rim; rounded corners; embossed feet; self-basting.

Open stock.

"SAVOY."

No. 200. List per dozen 27.00

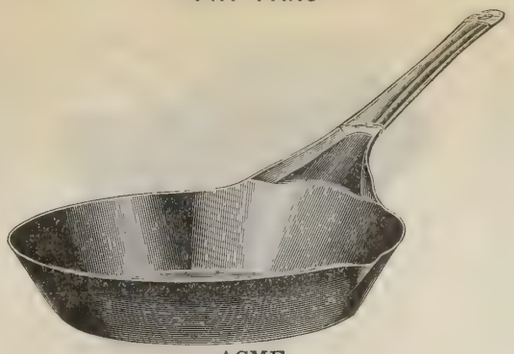
With Jackets.

Sheet steel, oval, seamless; rounded corners; beaded rim; self-basting; size of bottom 17½ x 11⅝ x 4½ ins.; size with cover on 18 x 11⅞ x 7½ inches.

Manufacturers Standard list $12.00.

Open stock.

FRY PANS



ACME.

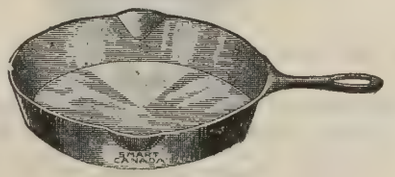
Nos.	Diam., top, inches.	Depth inches.	App. wt. doz., lbs.	List dozen
00	6	1⅛	5¾	3.58
0	8	1½	8¼	4.00
1	8½	1¾	9¾	5.00
2	9½	1⅝	11¼	5.30
3	9¾	2⅛	13½	6.20
4	10½	2	15	6.70
5	10¾	2¼	18	7.80
6	11¾	2¼	23½	8.50

One-piece cold rolled sheet steel pan and handle; lipped; flared sides; bright tin handle shield (except No. 00).

Open stock.

CAST IRON HOLLOW WARE

SPIDERS



Nos.	8	9
List each	1.30	1.40
Diam. top, ins.	10¼	10⅞
Diam. bot., ins.	8½	9¼
Depth, ins.	1¾	1⅞
App. wt. each, lbs.	4	5

Heavy cast iron; double lipped; ground and polished inside.

Open stock.

SCOTCH BOWLS

Nos.	2	3	4	5
List each	2.20	2.70	2.80	2.90
Imp. quarts	2	3	4	5
Diam. top, ins.	9	10	10¼	11⅞
Height, ins.	3¾	4	4⅜	4⅞
App. wt. each lbs.	3¾	5½	7	8

Heavy cast iron; black japanned outside; ground and polished inside; heavy coppered wire bail handle; wire tilting ring; rimmed bottom.

Open stock.

CAST IRON HOLLOW WARE

STOVE POTS

STRAIGHT

Size, ins.	8H	9H	9L
List each	2.80	3.00	3.00
Style	High	High	Low
Imp. quarts	6½	8	7
Diam. top, ins.	10⅝	11	10¾
Height, ins.	4⅛	8½	7⅜
App. wt. each, lbs.	9	11	9¾

Heavy cast iron; black japanned outside; ground and polished inside; heavy coppered wire bail handle; wire tilting ring; round bottom with feet.

Open stock.

BULGED.

9-inch. List each 5.10

Capacity, 12 Imperial Quarts.

Heavy cast iron; black japanned outside; ground and polished inside; heavy coppered wire bail handle; wire tilting ring; round bottom with feet; top diameter 11⅜ inches, height 9¼ inches; average weight each, 12 pounds.

Open stock.

TEA KETTLES

No. 9. List each 4.80

Pit Bottom.

Heavy cast iron; black japanned outside; heavy wire bail handle with coiled wire grip; sliding cast lid; 6 Imperial quarts capacity; average weight each, 12 lbs.

Open stock.

Sizes and measurements are the manufacturers figures.

COAL HODS

No. 7. "Daisy."

Plain. List per dozen 10.88

Gold Bands. List per dozen 11.74

Open, Japanned.

Sheet steel, seamed body; beaded rim (wired); round flared and beaded foot; rivetted ears; embossed tilting handle; wire bail handle with wood grip; 17 inches long at top.

1/2 dozen in a bundle.

No. 17. "Standard."

Plain. List per dozen 13.74

Gold Bands. List per dozen 14.60

Open, Japanned.

Sheet steel seamed body; beaded rim (wired); round flared and beaded foot; rivetted ears; embossed tilting handle; heavy steel wire bail handle; 17 inches long at top.

1/2 dozen in a bundle.

No. 77. List per dozen 17.18

Funnel; Japanned.

Sheet steel seamed body with gold bands, beaded rim (wired); round foot, flared and beaded; rivetted ears; embossed tilting handle; heavy steel wire bail handle; 17 inches long at top.

1/2 dozen in a bundle.

COAL HODS

No. 170. List per dozen 18.60

Open; Galvanized.

Galvanized sheet steel seamed body; standard pattern; beaded (wired) rim; round foot, flared and beaded; rivetted ears; embossed tilting handle; heavy steel wire bail handle; 17 inches long at top.

1/2 dozen in a bundle.

No. 770. List per dozen 22.90

Funnel; Galvanized.

Galvanized sheet steel seamed body; beaded (wired) rim; round foot, flared and beaded; rivetted ears; embossed tilting handle; heavy steel wire bail handle; 17 inches long at top.

1/4 dozen in a bundle.

FIRE SHOVELS
or
Stove Shovels

No. 70. List per dozen 1.66

Half Round Handle.

Black japanned, one-piece sheet steel; corrugated shoulders; blade 5 inches wide; length over all 14⅜ ins.; average weight per dozen, 5 pounds.

1 dozen wired in a bundle.

No. 55. List per dozen 2.30

Round Handle.

Black japanned, one-piece sheet steel; blade 5¼ inches wide with corrugated shoulders; length over all 15⅞ inches; average weight per dozen, 5¼ pounds.

1/2 dozen wired in a bundle.

FIRE SHOVELS
or
Stove Shovels.

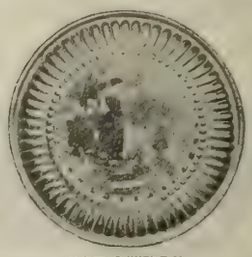
No. 57. List per dozen 3.90

Long, Round Handle.

Black japanned, one-piece sheet steel; blade 5¼ inches wide with corrugated shoulders; length over all, 22 inches; average weight per dozen, 9 pounds.

1/2 dozen wired in a bundle.

FLUE STOPS



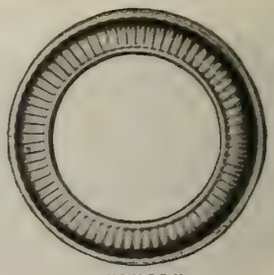
"CROWN."

No. 3. List per dozen 2.20

Embossed tin, 8 3/16 inches diameter; gold lacquered border; decorated centre of assorted pictures in colors; flat steel spring fastener 5/8 inch wide, 22 inches long; average weight per dozen, 3¼ lbs.

1 dozen in a box.

STOVE PIPE COLLARS



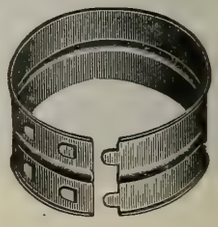
"GEM."

Size, ins.	3	4	5	6	7
List gross	15.74	15.74	13.50	13.50	19.12

Embossed tin, gold lacquered finish; all sizes will cover 7 inch pipe holes; above sizes are pipe sizes.

1/12 gross in a bundle.

CHIMNEY THIMBLES



KIRCH.

Adjustable. List per dozen 1.60

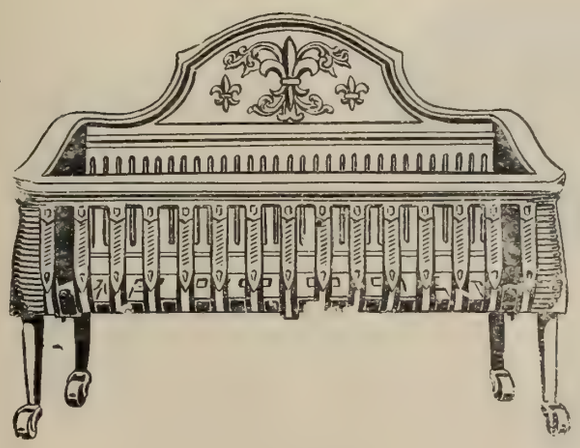
For 6 or 7 Inch Pipes.

Cold rolled blued steel 3 12/16 inches wide; with flanged edges and centre crimp which prevents pipe being pushed too far into the flue; average weight per dozen, 5 pounds.

1 dozen in a bundle.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

FIRE BASKETS



No. 150.

Size, inches	18 x 12	20 x 12
List each	8.80	9.00
App. wt. each, lbs.	46	50

Cast iron; black finish; bulged front; pivoted dump grate in bottom; smooth running casters on each leg; nicely decorated.

Open stock.

FIRE BASKETS

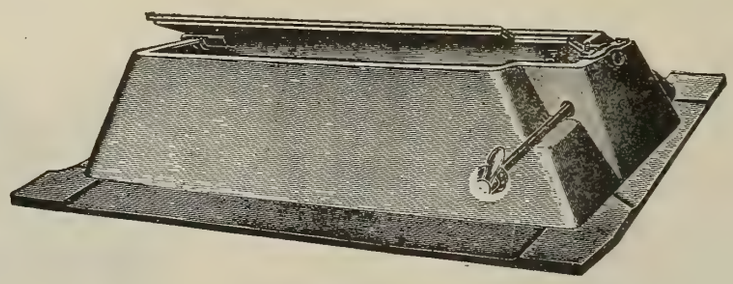
No. 143.

Size, inches	20 x 12	24 x 12
List each	9.50	11.00
App. wt. each, lbs.	42	53

Cast iron; black finish; square front and legs; pivoted dump grate in bottom; smooth running casters on back legs only; well made and nicely finished.

Open stock.

DOME DAMPERS



No. 17.

28-Inch. List each 7.00

For 24-Inch Fireplace.

Over all dimensions:—Front, 28 inches long; back, 20 inches long; width, 13 inches. Throat opening:—Front, 21½ inches long; back, 17½ inches long; width, 10 inches; average weight each, 29 pounds.

34-Inch. List each 8.00

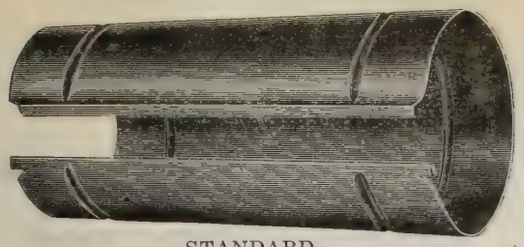
For 34-Inch Fireplace.

Over all dimensions:—Front, 34 inches long; back, 26 inches long; width, 13 inches. Throat opening:—Front, 27½ inches long; back, 20½ inches long; width, 10 inches; average weight each, 35 pounds.

Made of cast iron natural finish; pivoted damper with spiral control; 1/4 inch rod with brass handle.

Open stock.

STOVE PIPE



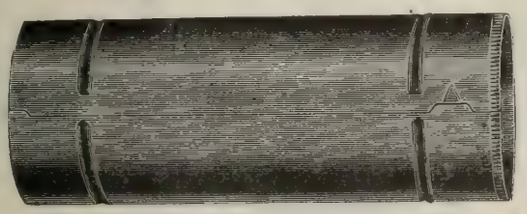
STANDARD.

Diam., ins.	6	7
List per 100	24.72	26.50
App. wt. per bdl., lbs.	40	47

Patent Lock; Nested.

Made from special Canada steel plates, coated to prevent rusting; accurately cut, notched, folded, rolled, beaded and crimped; can be formed up rapidly and easily without the aid of tools or rivets; even and easy fitting; lengths are 18 inches long and are nested in compact bundles.

Sold only in full bundles.
1/4 hundred in a bundle.



END LOCK.

Diam., ins.	6	7
List per 100	24.72	26.50
App. wt. per bdl., lbs.	40	47

Patent Lock; Nested.

Made from special Canada steel plates, coated to prevent rusting; accurately cut, notched, folded, rolled, beaded and crimped; can be formed up rapidly and very easily without the aid of tools or rivets; even and very easy fitting; lengths are 18 inches long and are nested in compact bundles.

Sold only in full bundles.
1/4 hundred in a bundle.

COLLINS

Diam., ins.	6	7
List per 100	24.72	26.50
App. wt. bdl., lbs.	42	49

To Rivet; Nested.

Made of best quality iron; accurately cut, easily fastened at each end with rivets; easy to put together; lengths are 18 ins. long and are nested into compact bundles with galvanized steel end caps; enough rivets supplied for each pipe, packed in a crate.

Sold only in full bundles.
1/4 hundred in a bundle.

STOVE PIPE ELBOWS

BLACK.

Size, ins.	App. wt. doz., lbs.	List dozen
6-Light	12	3.00
6-Heavy	15¼	4.02
7-Light	18½	3.48
7-Heavy	20	4.52

One-piece; Corrugated.

Made of selected Canada steel plates, coated to prevent rusting; carefully corrugated with seam on inside of throat; crimped end; both ends rivetted; even and easy fitting.

1 dozen wired in a bundle.

GALVANIZED.

7 Inch. List per dozen 8.02

One-Piece, Corrugated.

Made of heavy galvanized sheet steel; carefully corrugated with seam on inside of throat, crimped end; both ends rivetted; even and easy fitting; average weight per dozen, 20¼ pounds.

1 dozen wired in a bundle.

STOVE PIPE DAMPERS

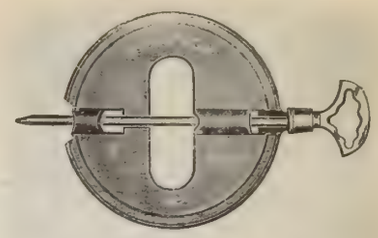
"CANADA."

7 Inch. List per dozen 2.80

Heavy plate stamped from 21 gauge Bessemer steel; drop forged steel sharp pointed wire stem and handle; coppered steel wire spring; positive lock; average weight per dozen, 6 pounds.

Open stock.

STOVE PIPE DAMPERS



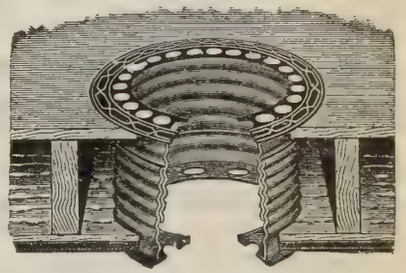
"CHAMPION."

Size (pipe), inches	6	7
List dozen	3.40	4.20
App. wt. doz., lbs.	6½	8½

Grey cast iron plate; nickle plated flat iron handle and sharp pointed stem; concealed steel wire coil spring.

Open stock.

STOVE PIPE THIMBLES



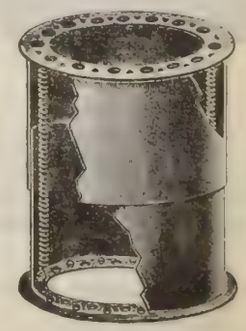
O. K.

No.	Extends, inches	App. wt. Doz., lbs.	List dozen.
7-in. Wall	4 to 7½	24	11.50
7-in. Floor	7 to 12½	35	14.00

Screw Adjustable.

Japanned steel, ventilated heads, 10 ins. outside diameter; lacquered tin cylinders, spirally corrugated so that they screw together; above weights include crating.

1/2 dozen in a crate.



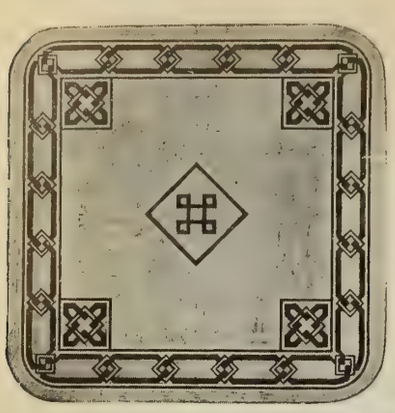
Nos.	50	60
List dozen	11.40	12.80
For	Wall	Floor
Extends, ins.	4 to 8	7 to 14
App. wt. doz., lbs.	22	35

7 Inch; Spring Adjustable.

Japanned steel, ventilated heads, 11 ins. outside diameter; bright tin, plain cylinders; 2 coppered steel wire springs; above weights include crating.

1/2 dozen in a crate.

STOVE BOARDS



"PARQUET" PATTERN.

Size, inches	18x28	24x24	24x32
List dozen	31.48	30.66	41.42
Mfs. Std. list	19.00	18.50	25.00
Size, inches	26x26	26x34	26x38
List dozen	34.78	43.90	47.22
Mfs. Std. list	21.00	26.50	28.50
Size, inches	28x28	28x44	30x30
List dozen	38.94	66.26	42.24
Mfs. Std. list	23.50	40.00	25.50
Size, inches		33x33	36x36
List dozen		53.00	61.28
Mfs. Std. list		32.00	37.00

Assorted Colors; Wood Lined.

Cold rolled steel sheets attractively lithographed; 1/2 inch wood linings built up of thin kiln dried boards, nailed crosswise; will not warp.

Open stock.

ROUND REGISTERS

7 Inch. List each 2.30

Without Border.

Japanned cast iron; top plate, 8 inches diameter; flange 1¾ inches deep fits 7 inch pipe; green painted 3 leaf shutter; average weight per dozen, 44 pounds.

Open stock, paper wrapped.

ROUND FACE PLATES

7 Inch. List each 1.20

Black Japanned.

Made of plain grey iron; nicely designed and figured; 8 inches diameter, for 7 inch round registers; drilled for screws; average weight per dozen, 17½ pounds.

Open stock.

STOVE POKERS

No. 2. List per dozen 2.80

Bent, Nickel Plated.

20 inch steel rod, 1/4 inch diameter with 2½ inch bend; coil wire (cold) handle with ring; length from bend to ring 18½ inches; average weight per dozen, 5 pounds.

1 dozen in a box.

No. 4. List per dozen 2.80

Straight, Nickel Plated.

20 inch straight steel rod 1/4 inch diameter with flat diamond point; coil wire (cold) handle with ring; length over all 20¾ inches; average weight per dozen, 5½ pounds.

Open stock.

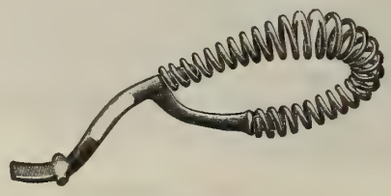
STOVE LID LIFTERS

No. 1. List per dozen ..... .84

Coppered.

Cast iron; 1/2 round; open handle; 9/16 inch lip; 7¾ inches long; average weight per dozen, 2½ pounds.

3 dozen in a box.



No. 2. List per dozen 2.40

Nickel Plated.

Cast iron shank; 5/8 inch lip; coil wire (cold) loop handle; length over all 8 inches; average weight per dozen, 5¾ pounds.

1 dozen in a box.

No. 3. List per dozen 2.40

Nickel Plated.

Cast iron shank; 1/2 inch lip; coil wire (cold) handle with ring; length over all 9 inches; average weight per dozen, 4 pounds.

1 dozen in a box.

STOVE LID LIFTERS

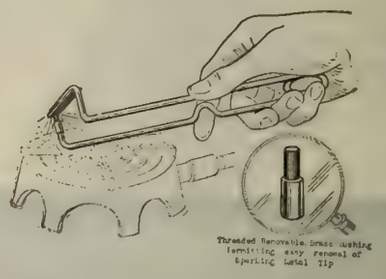
"Never-Slip." List per dozen 3.20

For All Sizes of Stove Lid Holes.

Nickel plated, pressed steel; two piece hinged prongs, which expand by pressure on the handles; steel wire (concealed) spring; corrugated grips; length over all 8¾ inches; average weight per dozen, 4 pounds.

1 dozen in a box.

GAS LIGHTERS



Gas Lighters. List per dozen 2.40

10½ gauge coppered spring steel wire frame, 7½ inches long; serrated steel sparking plate 1⅜ x 1/4 inch; Ferro Cerium (sparking metal) tips with brass collar. This lighter sparks readily by friction making a safe and economical gas lighter; average weight per dozen, 1 lb.

Open stock.

TIPS FOR GAS LIGHTERS

Screw on Tips. List per dozen 1.00

Slip on Tips. List per dozen 1.00

Ferro Cerium (sparking metal) tips; brass collar is drilled with a 1/8 inch diameter hole both threaded or plain as above.

Open stock.

IRON CEMENT

SMOOTH-ON.

No. 1. List per dozen 8.40

6 Ounce Size.

A chemically prepared iron compound in powder form, made ready for use by mixing with water to the consistency of stiff putty; stops leaks of steam, water, oil or gas in boilers, furnaces, stoves, radiators, iron pipes, tanks, etc., one pound will fill ten cubic inches; becomes hard like iron in a few hours; in blue lithographed friction top tins 2¼ x 1⅞ inches; average weight per dozen, 6 pounds.

1 dozen in a carton.

STOVE OR FURNACE CEMENT

ASBESTOS

Size	App. Wt. each	List dozen
1	1 3/8 lbs.	3.30
5	5 7/16 lbs.	9.60

An odorless compound in paste form, dark grey in color, composed of asbestos materials; fire and acid proof. For mounting and packing joints and seams in furnaces, heaters, ranges and stoves, making them gas tight. Hardens quickly and adheres firmly; in friction top lithographed tin cans.

Open stock.

STOVE LINING

ASBESTOS

Size	App. Wt. each	List dozen
3	3 1/4 lbs.	4.00
6	5 11/16 lbs.	6.00

A mixture in dry form consisting of asbestos materials and cement; ready for use by mixing with water; makes a durable and economical lining for stoves, grates, furnaces and etc.; easily applied.

In cartons as above.

STOVE POLISH

"ZEBO."

Size 6. List per dozen **3.90**

Liquid; English Make.

A superior and efficient polish for stoves, sheet iron, etc. Imparts a lasting and brilliant finish; can be used with safety on hot surfaces, gives equally good results on cold metal; in screw top, sprinkler cans containing about 6 fluid oz., average weight per dozen, 7 pounds.

2 dozen in a box.

STOVE POLISH

"Shino"	Flat Tins	Tall Tins
List dozen	1.90	2.30
Diam. tin, ins.	3⅝	3¼
Height, tin, ins.	1¼	2⅛
App. wt. doz., lbs.	4	6

A safe and non-inflammable paste polish; quickly produces a durable and brilliant lustre; in friction top, lithographed tins.

3 dozen in a case.

"Zebra"	B	D
List dozen	1.80	2.90
Weight per tin, oz.	4	7½

English Make.

A well known stove polish in paste form; quickly produces a lustrous and durable polish; no dust; gives equally good results on hot or cold surfaces; in friction top lithographed tins.

3 dozen in a carton.

DIXON'S CARBURET OF IRON.

6 Ounce. List per dozen **2.00**

For polishing stoves, grates, ranges and all kinds of cast and sheet iron work; produces a brilliant and perfect polish; prevents rust; easy to mix; also valuable for lubricating purposes; in paper wrapped bars 4 x 1¼ x 1¼ inches; average weight per dozen, 4¾ pounds.

1 dozen in a package.

STOVE POLISH

RISING SUN.

No.	3	1
List gross	12.00	24.00
Size, inches	2x1½x1½	3⅞x1½x1½
App. wt. doz., lbs.	2¼	5
Gross in a package	1/6	1/12

A safe polish for general blacking of stoves, etc.; produces a brilliant black lustre and prevents rust; easy to mix; in paper wrapped bars.

Packed as above.

"NONSUCH."

Liquid Dressing. List per dozen **3.60**

A polish in liquid form for polishing and preserving stoves, stove pipes and sheet iron; quickly imparts a fine lustre; in glass bottles containing about 3¼ fluid ounces; average weight per dozen, 9 lbs

1 dozen in a carton.

STOVE PIPE VARNISH or Enamel.

Japanese. List dozen **4.00**

With Brush.

For stoves and stove pipes; produces a jet black finish of brilliancy and durability, prevents rust and preserves the metal; in glass bottles containing about 6 fluid ounces; with brush for applying; average weight per dozen, packed, 15 lbs.

1 dozen in a carton.

SHOE POLISH

"SIMPLEX."

Black. List per dozen 2.20
Tan. List per dozen 2.20

Paste.

A fine polish which readily imparts a brilliant shine; preserves and waterproofs the leather; in friction top tins 2⅞ x 1 inch; average weight per dozen, 2 pounds.

1 dozen in a carton.

"NUGGET."

Black. List per dozen 2.70
Tan. List per dozen 2.70
Dark Brown. List per dozen 2.70

Paste; English Make.

A polish well known for its superior qualities; gives a brilliant lasting shine, makes shoes water-proof and preserves the leather; in friction top tins 2⅞ ins. diameter; average weight per dozen, 2 pounds.

2 dozen in a carton.

LIQUID SHOE DRESSING

"NUGGET"

White. List per dozen 4.40

English Make.

A superior white cleaner made to the consistency of thick cream; unequalled for buckskin, canvas, boots, shoes, etc.; even in color; in screw top glass jars containing 4 fluid ounces; each jar in a carton with sponge; average weight per dozen, 10 pounds.

1 dozen in a carton.

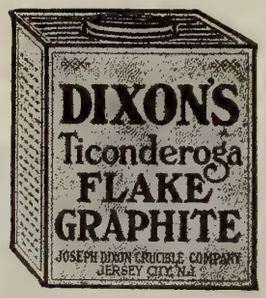
SOOT DESTROYER

Soot Chaser. List per dozen 3.30

A non-explosive compound in powder form which will destroy and prevent soot trouble and maintain a perfect draft; in cardboard boxes weighing 3/4 pound.

2 dozen in a carton.

GRAPHITE



DIXON'S Ticonderoga.

1 Pound Cans. List per pound 1.00

5 Pound Tins. List per pound 1.00

No. 2. Fine Flake.

Selected flake graphite of smoothness and endurance; specially intended for lubrication of engine cylinders, valves and all close fitting bearings.
1 lb. paper cans with tin top and bottom.
5 lb. tin cans with screw top.

Open stock.

HAND CLEANER

Glad. List per dozen 1.80

A "no-grit" cleaner, may be used on the most tender skin, leaving it soft and smooth, not only removes dirt and grease from the hands, but is effective on clothes, carpets, furniture, etc.; in friction top lithographed tins 3⅛ x 2½ ins.; average weight per dozen, 7½ pounds.

3 dozen in a case.

HAND CLEANER

Slick. List per dozen 2.70

A fine grit cleaner in paste form; quickly and effectively removes grease, etc., leaving the most delicate skin soft and smooth; in friction top lithographed cans 3⅛ x 2½ inches; average weight per dozen, 9 pounds.

3 dozen in a carton.

HOUSEHOLD AMMONIA

"Sun." List per dozen 4.50

Liquid.

Standard of strength and purity; for laundry, kitchen, scrubbing, sick room, disinfecting, etc.; in glass bottles containing approximately 10 fluid ounces; average weight per dozen, 21 pounds.

1 dozen in a wooden box.

CLOSET BOWL CLEANER

Flush Klene. List per dozen 4.40

A chemical preparation in powder form, compounded especially for cleaning closet bowls; thoroughly cleans the stains, discolorations and incrustations in the bowl and trap of the toilet; in sifter top containers 2¾ x 5½ inches; net weight each, 1 pound.

3 dozen in a case.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

CLOSET BOWL CLEANER

Sani-Flush. List per dozen 7.00

24 Ounce Cans.

Patented chemical compound for the exclusive purpose of cleaning vitreous china toilet bowls; a clean white soluble and odorless powder that dissolves in water; thoroughly cleanses stains; discolorations and incrustations in the bowl and trap of toilet; average weight per dozen, 20 pounds.

1 dozen in a carton.

Replaces Flush Klene on Page 380.

HYDRATED LIME

1 Pound Sifter Can. List per dozen 2.40

4 Pound Package. List per dozen 5.60

A Deoderizer and Purifier; for Household and Garden Use.

Used as a whitewash, will dry up damp smelly walls, ceilings, and floors in cellars, stables, closets, henhouses, etc. As a deodorizer and purifier, sprinkled freely prevents fermentation and odors; corrects sour conditions which exist in many soils; a good poultry insecticide.

1 lb. cans, 48 in a case.

4 lb. packages, 20 in a case.

DRAIN PIPE CLEANSER

Desolvo. List per dozen 9.00

A combination of mineral elements in crystal form which generates intense heat and powerful gases when mixed with water; disintegrates and liquifies frost and oil vegetable obstructions in the pipes, etc., caused by the accumulation of grease, soap, rags, hair, paper and organic matter; in friction top, lithographed cans 3¼ x 3½ inches; containing one full charge; average weight per dozen, 12 pounds.

2 dozen in a box.

WEATHER STRIP

"BOSLEY'S". Wood and Felt Combined.

"BOSLEY'S"

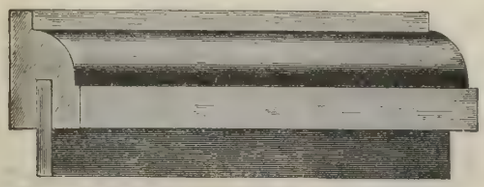
No. 60. List per 100 feet 4.60

For Upper Sash of Window.

Wood and Felt Combined.

3/8 inch walnut stained wood moulding, inserted with black felt approximately 5/32 inch thick; average weight per 1,000 feet, 30 pounds. In 12 foot lengths.

500 Feet in a bundle.



No. 61. List per 100 feet 4.60

For Lower Sash of Window.

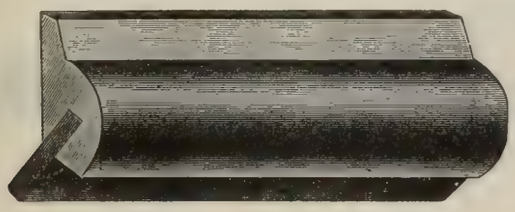
5/8 inch walnut stained wood moulding, inserted with black felt approximately 5/32 inch thick; average weight per 1,000 feet, 40 pounds. In 12 foot lengths.

500 feet in a bundle.

No. 64. List per 100 feet 9.20

For Bottom of Light Doors.

1¼ inch walnut stained wood moulding, inserted with black felt approximately 5/32 inch thick; average weight per 1,000 feet, 90 pounds. In 12 foot lengths.

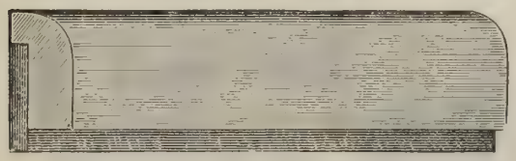


No. 62. List per 100 feet 7.40

For Centre of Window.

3/4 inch walnut stained wood moulding, inserted with black felt approximately 5/32 inch thick; average weight per 1,000 feet, 60 pounds. In 12 foot lengths.

500 feet in a bundle.



No. 71. List per 100 feet 5.00

For Lower Sash of Window.

Clincher Double-Contact Felt.

5/8 inch walnut stained wood moulding, backed with black felt approximately 5/32 inch thick; average weight per 1,000 feet, 45 pounds. In 12 foot lengths.

500 feet in a bundle.

No. 74. List per 100 feet 10.00

For Bottom of Light Doors.

Clincher Double-Contact Felt.

1 inch walnut stain moulding, backed with black felt approximately 5/32 inch thick; average weight per 1,000 feet, 75 pounds. In 12 foot lengths.

250 feet in a bundle.

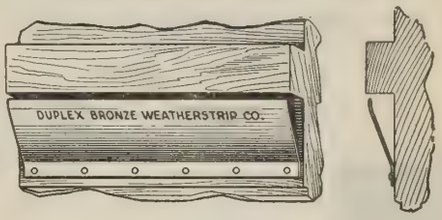
WEATHER STRIP

"Frost King." List dozen boxes 9.70

22 Feet in a carton.

Fine quality, moisture proof felt, chemically treated, with hemp filled tube; strongly sewn, backed by stiff buckram; suitable for both doors and windows, makes storm proof joint; average weight per dozen cartons, 4½ pounds.

Cartons; open stock.



"BRONZE"

Width, inches	1⅛	1¼	1½
List per box	2.10	2.20	2.40
App. weight box, pounds	1¾	1⅞	2¼
For doors, inches	1⅜	1½	1¾

22 Feet in a Carton.

28 Gauge bronze stripping in widths as above, crimped and slightly sprung ready for immediate use; easily applied on all styles of doors and windows; storm and dust proof; eliminates sticking of windows and doors; the spring in the strip can be readily increased for extra wide spacing; packed in extra strong corrugated cardboard cartons with brass nails and full directions.

Cartons; open stock.

SPRING DOOR BOTTOMS

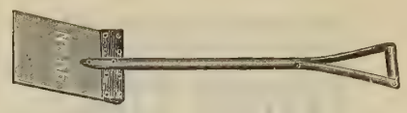
"BOSLEY'S"

36 Inch. List per dozen 12.00

1⅜ inch stained wood door moulding hinged to 1⅜ inch spring moulding, inserted with rubber strip; steel wire coil springs; prevents rain, cold winds and snow from entering under the door; easy to apply; 36 inches long; average weight per dozen, 13 pounds.

Open stock.

WOOD SNOW SHOVELS

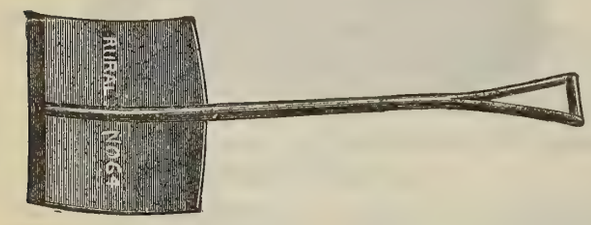


No. 66. List per dozen 4.80

Child's Size.

Straight wood blade 7 x 10 inches, varnished and reinforced at top; hardwood handle with split D top; well made; length over all, 34 inches; average weight per dozen, 13 pounds.

1 dozen in a bundle.

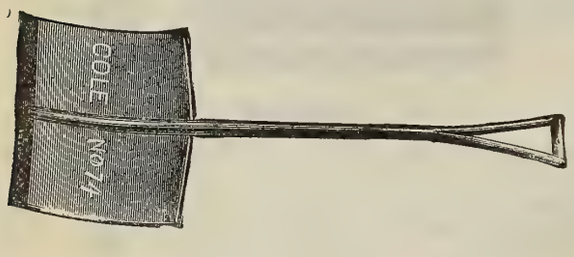


No. 64. List per dozen 14.50

"Rural"

Curved and varnished basswood blade, 16 x 20 inches, reinforced on the sides by strips of iron which are inserted and fastened in the wood; folded steel tip cutting edge; oiled hardwood handle with split wood D top; length over all, 48 inches; average weight per dozen, 50 pounds.

1/2 dozen in a bundle.



No. 74. List per dozen 17.30

"Cole" Patent.

Curved and varnished basswood blade 16 x 20 inches; reinforced on the sides by iron strips which are inserted in the wood and folded over on the underside of the blade; plate steel folded tip; oiled hardwood handle with split wood D top; length over all, 48 inches; average weight per dozen, 52 pounds.

1/2 dozen in a bundle.

No. 75. List per dozen 18.50

"Cole" Patent; 16 x 20 inch Blade.

Curved and varnished basswood blade, reinforced on both sides by iron strips which are inserted in the wood and folded over on the underside of the blade; plate steel "folded-over" tip; oiled hardwood handle with iron D top; length over all, 48 inches; average weight per dozen, 54 pounds.

1/2 dozen in a bundle.

WOOD SNOW SHOVELS

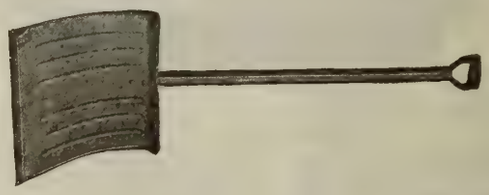
No. 77. List per dozen 19.20

"Cole" Patent; 18 x 20 inch Blade.

Curved and varnished basswood blade, reinforced on both sides by iron strips which are inserted in the wood and folded over on the underside of the blade; plate steel "Folded-over" tip; oiled hardwood handle with iron D top; length over all, 48 inches; average weight per dozen, 56 pounds.

1/2 dozen in a bundle.

GALVANIZED SNOW SHOVELS



No. 207. List per dozen 20.50

Heavy, galvanized blade, 17 inches wide at bottom, 14 inches wide at top, 14½ inches high; extra wide and strong, corrugated; steel ribbed reinforcements firmly rivetted on the back; steel clad cutting edge; strong hardwood handle with rivetted steel "D" having a wood grip; length over all, 48 inches; average weight per dozen, 60 pounds.

1/2 dozen in a bundle.

No. 208. List per dozen 24.50

Heavy, galvanized blade, 20 inches wide at bottom, 16 inches wide at the top, 16½ inches high; extra wide and strong, corrugated; steel ribbed reinforcements firmly rivetted on the back; steel clad cutting edge; strong hardwood handle with rivetted steel "D" having a wood grip; length over all, 50 inches; average weight per dozen, 70 pounds.

1/2 dozen in a bundle.

CHILDS SNOW SHOVELS

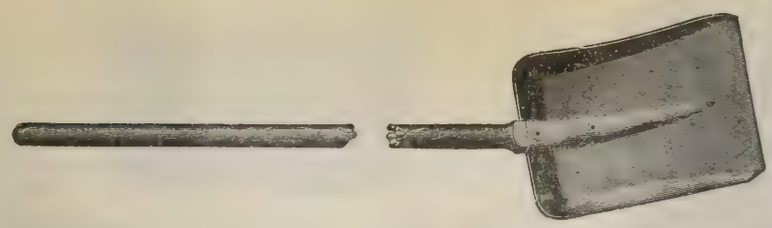
"WAVERLEY"

No.	1	11	2	22
List dozen	2.90	3.30	3.70	4.20
Size	Child's	Child's	Boy's	Boy's
Blade, inches	5½x8	5½x8	7x10	7x10
Painted	Black	Red	Black	Red
Gauge, No.	22	22	20	20
Length, inches	33½	33½	45½	45½
App. weight dozen, lbs.	10	10	17	17

One piece steel blade, crimped shoulders; fitted with long hardwood handle.

1/2 dozen in a bundle.

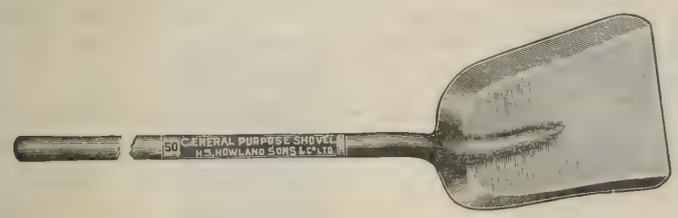
SNOW SHOVELS



Long Handle Japanned. List per dozen 8.00

Heavy ribbed steel blade, 13½ x 14¼ inches; fitted with 1⅜ inch smooth wood handle; length over all, 57¼ inches.

1/2 dozen in a bundle.

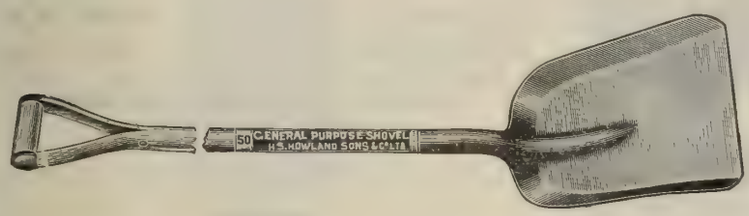


GENERAL PURPOSE.

No. 50. Long Handle. List per dozen 11.00

One piece sheet steel, hollow back blade (and socket) 11 inches wide, 14½ inches long, carefully tempered; with 47 inch selected ash handle; may be used for snow, stable, or any general purpose work; average weight per dozen, 68 pounds.

1/2 dozen in a bundle.

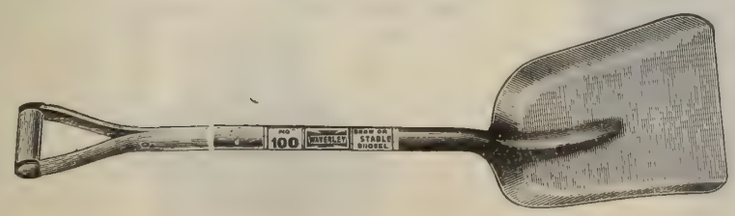


"GENERAL PURPOSE."

No. 50. D Handle. List per dozen 13.70

One-piece sheet steel, hollow back blade (and socket) 11 inches wide, 14½ inches long, carefully tempered; 36 inch selected ash handle with steel end capped split D; average weight per dozen, 68 pounds; for snow, stable or any general purpose work.

1/2 dozen in a bundle.



"WAVERLEY"

No. 100. List per dozen 15.60

For Stable, Snow or General Use.

Black blade; one-piece sheet steel blade and socket; hollow back; blade 12 inches wide, 14½ inches long, 2 inches deep; fitted with 36 inch selected ash handle with capped split D; well made throughout and will give good service; average weight per dozen, 67 pounds.

1/2 dozen in a bundle.

No. 2. Moose. List per dozen 20.00

Hollow Back; Socket; Black.

One piece blade and socket of high carbon sheet steel, 14 gauge; blade 11½ x 14 inches; split D handle of selected ash, carefully fitted and securely rivetted; length over all, 49 inches.

1/2 dozen in a bundle.

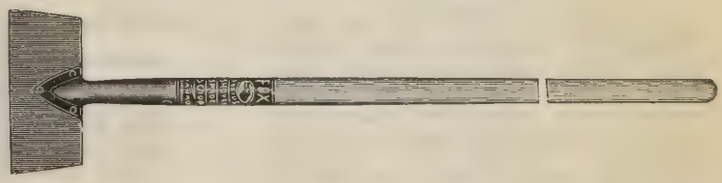
No. 1. Moose—Lumbermans'. List per dozen 20.00

Hollow Back; Socket; Black.

One piece blade and socket of 15 gauge high carbon sheet steel; blade 12½ x 15 inches; 36 inch handle with wide split D, carefully fitted and securely rivetted; length over all, 49 inches.

1/2 dozen in a bundle.

SIDEWALK SCRAPERS



"Fox." List per dozen 7.70

Socket Shank.

Made of high carbon sheet steel; hollow shank with firmly rivetted blade; blade 8½ inches wide, 4 inches deep; plain hardwood handle; length over all, 52 inches; a serviceable, light weight tool; average weight per dozen, 30 pounds.

1/2 dozen in a bundle.

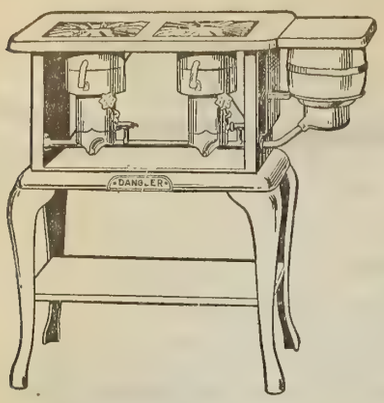
"Bull Dog." List per dozen 8.50

Solid Shank.

One-piece blade and socket of high carbon steel; extra heavy; black japanned; blade 9¾ inches wide, 6 inches deep; plain hardwood tapering handle; length over all, 56 inches; average weight per dozen, 54 pounds.

1/2 dozen in a bundle.

OIL STOVES



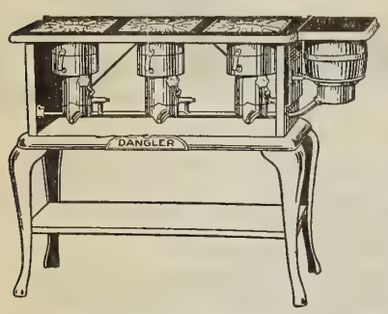
No. 2125; DANGLER.

2 Burner. List each **33.00**

Black Japan Finish.

Size of top 25 x 18 inches; height with legs, 32 inches; shipping weight, 55 lbs.

1 in a crate.



No. 3125; DANGLER.

3 Burner. List each **42.00**

Size of top 34 x 18 inches; height with legs, 32 inches; shipping weight, 70 lbs.

1 in a crate.

DANGLER.

Blue Flame, Wick.

Heavy sheet steel body; cast iron legs; attractively finished in black japan; heavy drawn brass burners with corrugated bottom and reinforced through centre; extra strong wick raiser with rivetted and soldered housing; carefully constructed chimneys with porcelain enamelled drums; tight woven highest grade cotton wicks encased in heavy drawn carrier; reliable wick stop device; glass oil tank; easy to operate; gives a very desirable range of flame; one burner giving full flame consumes approximately one gallon of oil in 22 hours.

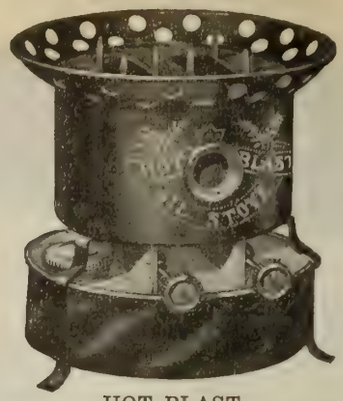
SOLID ALCOHOL

"Sterno." List per dozen **2.90**

An ever-ready, safe and convenient fuel, useful in the home or out of doors while traveling, camping, etc.; will not spill or explode, can be safely carried anywhere; always ready for use; in friction top tin cans containing 3 ounces; average weight per dozen, 3½ pounds

1 dozen in a display carton.

OIL STOVES



HOT BLAST.

No. 200. List per dozen 27.60

No. 400. Cabinet. List per dozen 60.00

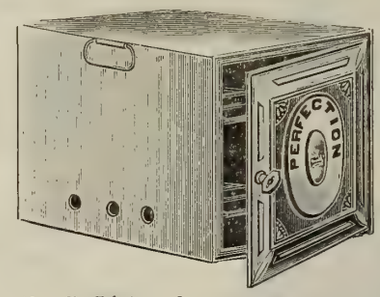
Hinged seamless steel chimney, black japanned; steel fount 8 inches diameter, 2⅜ inches high, imitation old copper finish with 2⅛ inch filler screw; two 4⅜ inch flat wicks; brass ratchet knobs; with feet; gives a quick, hot flame, safe; quickly extinguished.

No. 400 Cabinet.

This Hot Blast Cabinet consists of two No. 200 stoves securely screwed on a sheet steel base 20½ x 10½ inches.

Paper wrapped.

OIL STOVE OVENS

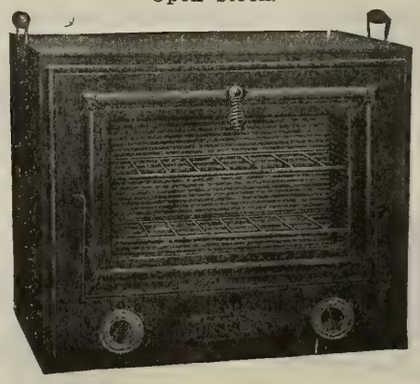


"Perfection." List each **3.70**

For One Burner.

Bright tin; asbestos lined; side hinged door; removable heat reflector; two skeleton shelves; ventilated sides; drop wire handles; 11¼ inches wide, 14¾ inches deep, 12⅝ inches high; average weight each, 7 pounds.

Open stock.



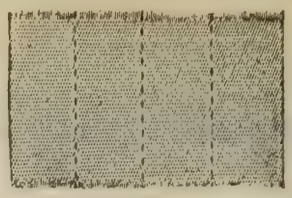
No. 70. List each **9.50**

For Two Burners.

Blue polished steel case; bright tin inner walls; asbestos inter-lining; drop door with glass window, heavy nickel steel hinges; electrically welded wire shelves adjustable to five positions with double thick side supports; seamless heat spreader; can be used with equal success on oil, gas or gasoline stoves; 22 inches long, 13 inches deep, 18 inches high.

1 in a crate.

OIL STOVE WICK



Width, ins.	3	3½	4
List gross	10.00	12.00	14.00
Wt. doz., ozs.	6	7	8
Width, ins.	4¼	4⅜	4½
List Gross	15.80	15.80	15.80
Wt. doz., ozs.	9	9½	10

8 Inches Long.

Tight woven highest grade cotton.

1/12 Gross in a bundle.

No.	GOH-1	GOH-2
List gross	20.40	26.40
Flat, width, inches	4	5
Length, inches	6¼	6½
App. wt. doz., ozs.	10	17

Seamless double thick woven cotton.

1 dozen in a package.

No. 018. Dangler. List per dozen **9.00**

Complete with Metal Carrier.

Heavy drawn metal perforated carrier 3 7/32 inches inside diameter, 2½ inches high; for Dangler oil stoves; closely woven highest grade cotton wick; average weight per dozen, 2 pounds.

Open stock.

CANDLE WICK

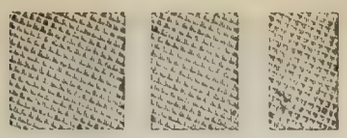
Cotton. List per pound **1.20**

2 2/3 Ounce Balls.

8 Strand "tubed" into balls; for miner's lamps, lubricating journals, etc.; 30 balls in a sack.

In 5 Pound Sacks.

LANTERN AND LAMP WICK



"FLAT"

Size	O	A	B	D
List per roll	1.64	2.30	3.30	4.90
Width, ins.	7/16	9/16	7/8	1½
App. wt. roll, lbs.	½	¾	7/8	2

32 Yard Rolls.

With cotton flat wick. Sold only in full rolls. 1 roll in a package.

LAMP WICK

CIRCULAR.

No. 2. B. & H. List per dozen 1.70

Rayo. 1/3 Split.

Seamless heavy woven cotton, highest grade; 2½ inches flat width, 7¾ inches long, split 2¾ inches; average weight per dozen, 1/2 pound.

1 dozen in a package.

CIRCULAR.

No.	2R	3R
List gross	12.00	48.00
Width, flat, inches	2 9/16	4 3/8
Length, inches	7½	8½

For Rochester Lamps.

Seamless heavy woven cotton, highest grade.

1 dozen in a package.

LAMP BURNERS

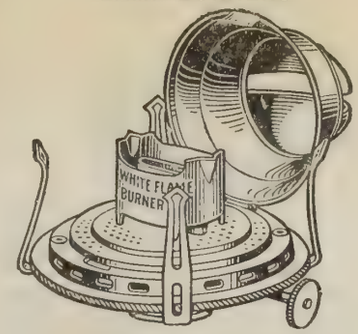
QUEEN MARY.

Nos.	O	A	B	D
List dozen	2.60	2.60	3.20	5.90
Fits collar	A	A	B	B or D
Takes crimp chimney	0	1	2	2
Takes wick	O	A	B	D
App. wt. dz., lbs.	1	1¼	1¾	2¼

Brass cone, disc, screen and screw; brass plated steel tube, guards and ratchet.

1 dozen in a box.

LAMP BURNERS



"WHITE FLAME"

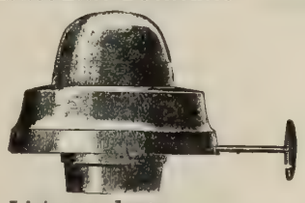
Nos.	1	2
List dozen	6.50	6.70
Fits collar	A	B
Takes chimney	1	2
Takes wick	A	B
App. wt. doz., lbs.	1¼	1⅝

Nickel Plated, Brass.

Fitted with patented, unbreakable steel mantle which produces a soft, even white light; clean, safe and economical; substantially made throughout.

1 dozen in a carton.

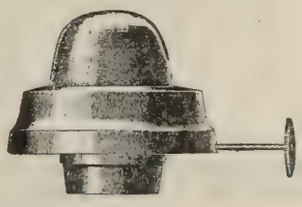
LANTERN BURNERS



Cold Blast. List per dozen 3.20

All steel; tubular; for cold blast lanterns; takes B-7/8 or 1 inch wick; diameter of cone 2 7/16 inch; average weight per dozen, 1¾ pounds.

1 dozen in a box.

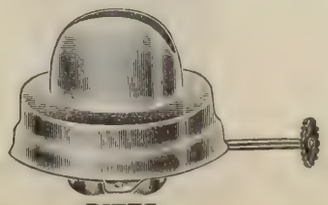


"White Flame." List per dozen 6.70

Cold Blast.

Fitted with patented, unbreakable steel mantle which produces a soft even white light; nickel plated brass cone, 2⅜ inch diameter; brass body and ratchet; takes B-⅞ or 1 inch wick; clean safe and economical; average weight per dozen, 1¾ pounds.

1 dozen in a box.



DIETZ.

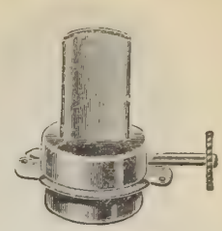
No. 262. List per dozen 3.20

Cold Blast; Wing-Lock Cone.

Tinned steel; flanged, brass wick tube; heavy, wing-lock cone 2 7/16 inch diameter; takes B-⅞ or 1 inch wick; for Dietz No. 2 "D-Lite", No. 2 Dietz "Crescent" lanterns; average weight per dozen, 1¾ pounds.

1 dozen in a box.

LANTERN BURNERS



DIETZ.

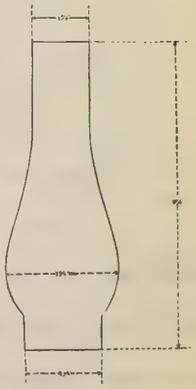
No. 561. List per dozen 2.70

Wing-Lock.

Tinned steel wing-lock base, 1 inch diameter; brass wick tube 1⅞ inches long takes No. O-7/16 or 5/8 inch wick; steel ratchet; for "Eureka" driving lantern and "Scout" lantern; average weight per dozen, 5/8 pound.

3 dozen in a box.

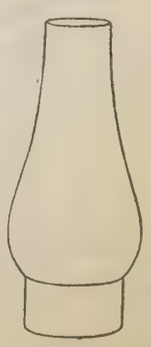
LAMP CHIMNEYS



No. 2. Rayo. List per dozen 2.90

Extra quality; 2⅝ inch base; 3½ inch bulb; 10⅛ inches high; 1 11/16 inch top.

6 dozen in a case.



No. 2. Electric. List per dozen 3.80

Fine quality clear glass; 3 inch base; 3¾ inch bulb; 12 inches high.

6 dozen in a case.

LAMP CHIMNEYS

No. O. Crimp Top. List case 13.40

6 dozen in a case.

Clear glass, run of furnace; 2 inch base; 6¾ inches high.

In cases as above.

No. A. Crimp Top.

4 dozen in a case. List case 9.40

8 dozen in a case. List case 17.40

Clear glass, run of furnace; 2½ inch base; 7½ inches high.

In cases as above.

No. B. Crimp Top.

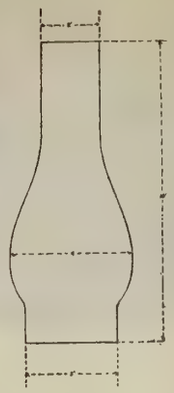
3 dozen in a case. List case 8.00

6 dozen in a case. List case 14.70

Clear glass, run of furnace; 3 inch base; 8½ inches high.

In cases as above.

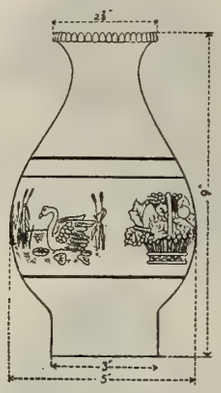
LAMP CHIMNEYS



ROCHESTER.

No.	2	3
List dozen	3.00	5.60
Burner	1 or A	3 or D
Base, inches	2⅝	4
Bulb, inches	3⅝	5⅜
Height, inches	10	12¼
Doz. in a case	6	3

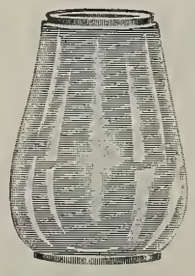
Extra quality clear glass; in cases as above.



No. 2. Globe Engraved. List dozen 4.50

First quality; frost figured; 3 inch base; 5 inch bulb; 9 inches high.

3 dozen in a case.



GENUINE RUBY.

Globe	Regular.	Short
List dozen	7.50	7.50
Diam. base, inches	3⅜	3⅜
Diam. top, inches	2⅞	4 1/16
Height, inches	6¾	4 3/16
App. wt. doz., lbs.	20	17

Heavy glass; genuine ruby; standard globes for cold blast lanterns taking No. 2 burner.

Sold only in full boxes.

1 dozen in a box.

COLD BLAST LANTERN GLOBES

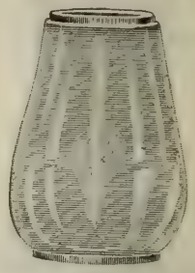
Short	1-Dozen	3-Dozen
List dozen	2.40	2.00

Clear.

Heavy clear glass; standard for short cold blast lanterns taking No. 2 burner; diameter base 3⅜ inches, diameter top 4 1/16 inches, height 4 3/16 inches; average weight per dozen, 17 pounds.

Sold only in full cartons.

1 and 3 dozen in a carton, as above.



Regular	1-Dozen	3-Dozen
List dozen	2.40	2.00

Clear.

Heavy clear glass; standard for regular cold blast lanterns; taking No. 2 burner; diameter base 3⅜ inches, top diameter 2 7/8 inches, height 6¾ inches; average weight per dozen, 20 pounds.

Sold only in full cartons.

1 and 3 dozen in a carton, as above.

DIETZ.

"Loc-Nob". List per dozen 4.80

Short Globe.

First quality clear glass; with patented loc-nob on each side which prevents the globe from slipping out of the frame when tipped back; diameter of base 3 7/16 ins., top diameter 4 inches, height 4⅝ inches; shipping weight per dozen, 16 pounds.

1 dozen in a box.

LANTERN GLOBES

Sport. List per dozen 2.80

For Sport Lantern.

First quality clear glass; diameter of base 2⅛ inches, top diameter 1¾ inches, height 3½ inches; average weight per dozen, 3 pounds.

4 dozen in a case.

LAMP BRACKETS

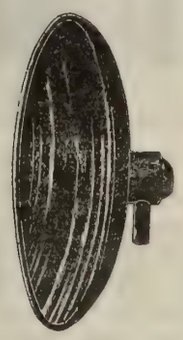
No. 42. List per dozen 5.50

Swinging.

Tuscan bronzed, ornamented cast iron; with stub for reflector; 4⅜ inch ring; projects 10½ inches; separate wall bracket; with screws to match; average weight per dozen, 11 pounds.

1 dozen in a box.

LAMP REFLECTORS



7-inch. List per dozen 10.80

8-inch. List per dozen 12.50

Silvered glass reflector, concaved; with wall and bracket fastener; average weight per dozen, 6¾ pounds.

Open stock; paper wrapped.

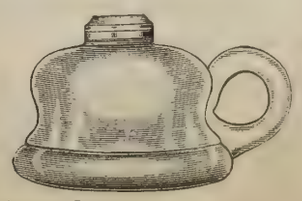
OIL LAMP FOUNTS

No. 10. List per dozen 4.60

Plain Fount.

Heavy clear moulded glass fount; B brass collar attached with plaster paris; without burner or wick; diameter 5¾ inches; height over all, 4 inches; holds approximately 1½ Imperial pints; average weight per dozen, 12 pounds.

6 dozen in a case.

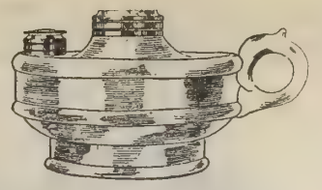


No. 20. List per dozen 5.20

Clear moulded glass fount; A brass collar attached with plaster paris; without wick or burner.

6 dozen in a case.

OIL LAMP FOUNTS



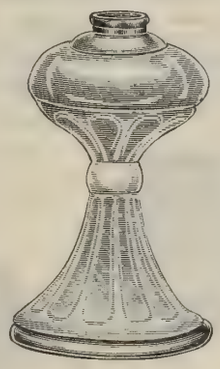
No. 25. List per dozen 7.00

Handled Feeder Fount.

Heavy clear moulded glass fount and handle; B brass collar and filler screw; without burner or wick; diameter 5½ inches, height over all, 3¾ inches;; holds approximately 1¼ Imperial pints; average weight per dozen, 14 pounds.

6 dozen in a case.

OIL STAND LAMPS



Nos.	106	107
List dozen	6.50	9.00
Collar	A	B
Imp. pints	2/3	1
Height, inches	8	8⅝
Diam. base, ins.	5½	5½
Diam. fount, ins.	4½	5
App. wt. doz., lbs.	24	30

Without Burner or Wick.

Clear moulded glass; hollow stem; round base; inserted brass collar.

6 dozen in a case.

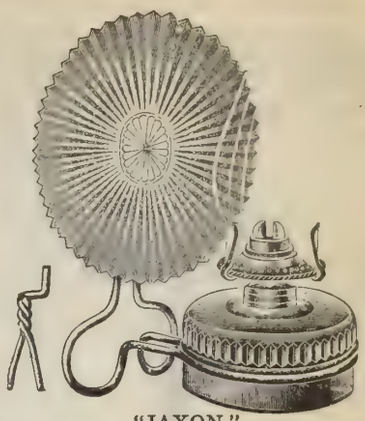
No. 108. List per dozen 10.00

Without Burner or Wick.

Hollow stem; round base 5⅞ inches diameter; fount 5⅝ inches diameter; inserted brass collar size B; height 9¾ inches; holds 1 1/3 Imperial pints; average weight per dozen, 34 pounds.

6 dozen in a case.

OIL WALL LAMPS



"JAXON."

No. 2. List per dozen 7.40

Fount, Frame and Reflector Only.

No. 1. List per dozen 10.00

Burner, Fount, Frame and Reflector.

One pint glass fount; B brass burner; bright steel wire frame; 7 inch corrugated bright tin reflector; without chimney; average weight per dozen, 10½ pounds.

1 dozen in a case.

CANDLE LAMP FRAMES

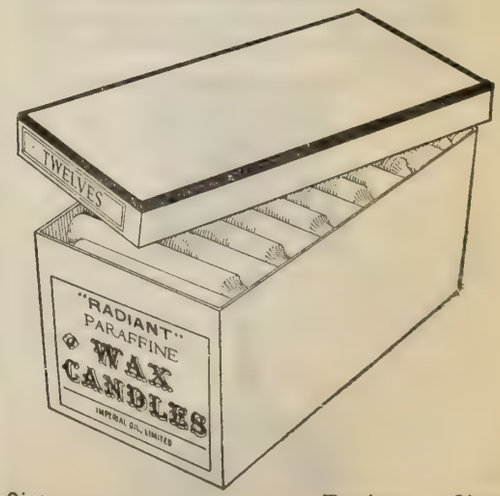
Candle. List per dozen 2.50

For B Lamp Chimneys.

Stamped tin base 5¾ inches diameter; No. 11 gauge galvanized spring wire frame, with wire bail handle; supplied without chimney or candles; average weight per dozen, 3 pounds.

Open stock.

WAX CANDLES



Size	Twelves	Sixes
List dozen	.24	.48
Length, inches	4⅞	8⅞
App. wt. dozen, lbs.	7/8	1¾
Dozen in a box	6	3

A pure refined paraffin wax candle; produces a good clear light and burns steadily; 13/16 inch diameter.

In cartons as above.

COLEMAN QUICK-LITE GASOLINE LAMPS AND LANTERNS

A modern lighting device which gives an eye-restful light of 300 candle power; makes and burns its own gas from common gasoline; generates and lights from the heat of ordinary matches; safe—cannot spill or explode even if upset; fool proof, no odor, dirt or soot; built of brass, heavily nickeled; complete with mantles, pump, wrench, cleaning pick and extra generator.

GASOLINE LAMPS

No. CQ 329. List each 16.50

With White Opal Panel Shade.

One of the most popular styles of Quick-Lite Lamps; built on graceful and attractive lines; gives a light delightfully rich and pleasing to the eye; shipping weight each, 10 pounds.

1 in a strong corrugated carton.

No. CQ 317F. List each 18.50

Frosted Shade with Crystal Fringe.

A very handsome lamp for constant use; its shade and fringe give a very beautiful lighting effect; shipping weight each, 9 pounds.

1 in a strong corrugated carton.

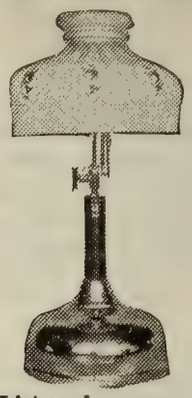
No. CQ 318. List each 18.50

Brown Tinted Shade.

A handsomely designed opal glass panelled shade, hand decorated in brown tints with delicate vine and small pink roses; regular lamp; average weight each, 10 pounds.

1 in a carton.

GASOLINE LAMPS

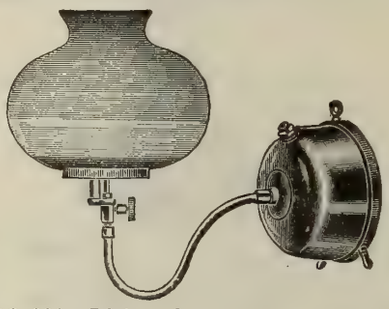


No. CQ 324. List each 18.50

Green Tinted Shade.

A handsomely designed opal glass panelled shade, hand decorated in green tints with delicate vine and small pink roses; equipped with the regular gasoline lamp; average weight each, packed, 10 pounds.

1 in a carton.



No. BQ 321. List each 18.50

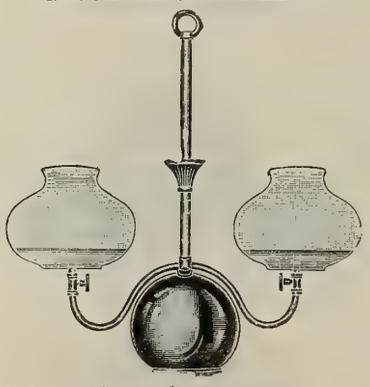
For Either Wall or Table.

With Three-Quarter Frosted Globe.

A handy bracket or wall lamp; the fount has two legs, which, with the arm, quickly converts it into a table lamp; easy carried from place to place; especially useful in rooms with low ceilings, etc., shipping weight, 9 pounds.

1 in a strong corrugated carton.

GASOLINE CHANDELIERS



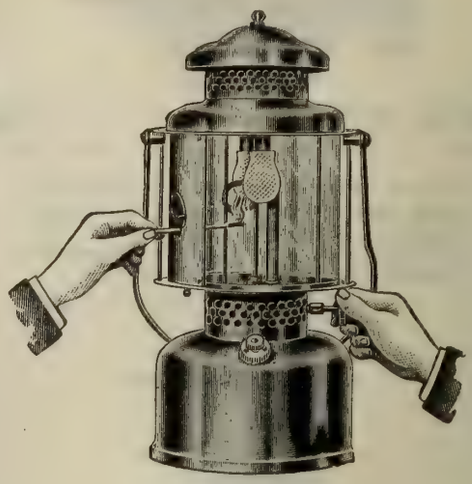
No. PQ 321. List each 34.00

With Three-Quarter Frosted Globes.

Similar in construction to the Quick-Lite table lamp, uses the same valves, etc.; fount is drawn from a single sheet of 18-gauge brass and holds 3 full quarts, sufficient to operate both burners 15 to 20 hours; either one or both burners can be used at one time; especially useful for lighting stores, halls, etc.; readily carried from place to place; shipping weight, 16 pounds.

1 in a strong corrugated carton.

GASOLINE LANTERNS



COLEMAN QUICK-LITE.

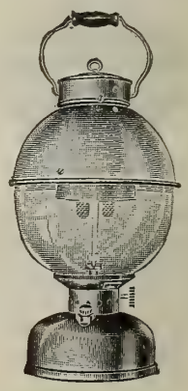
No. LQ 327. List each 14.00

Lights With Matches.

Made of brass, nickel plated; mica chimney and reflector; wind, rain and bug proof; gives a 300 candle power light; makes and burns its own gas from common gasoline; safe, cannot spill or explode even if upset; fool proof, no odor, dirt or soot; height over all, 13¾ inches; complete with chimney, mantles, pump, wrench, cleaning pick and extra generator; shipping weight, 6 pounds.

1 in a strong corrugated carton.

GASOLINE ARC LANTERNS



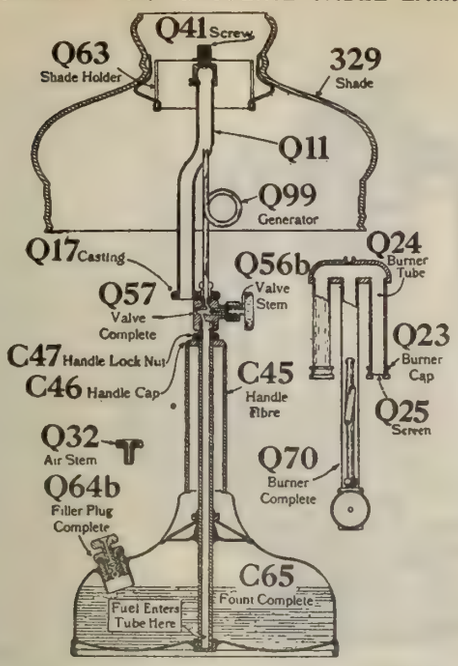
COLEMAN QUICK-LITE.

No. HV 316. List each 28.00

Will throw a flood of light for 200 to 300 feet in every direction; storm and bug proof; nickel plated brass fount holds 2 quarts of fuel and will burn from 25 to 30 hours on one filling; will not spill or explode; nickel plated metal dome; clear glass half globe 9¼ inches diameter; height 19½ inches; a dependable and superior outside light; shipping weight, 14 pounds.

1 in a strong corrugated carton.

REPAIR PARTS FOR COLEMAN "CQ" GASOLINE TABLE LAMPS



No.	Part	List each
Q23-25	Burner Cap Complete	.30
Q36	Lead Gasket	.05
Q57	Valve Complete	1.00
Q64b	Filler Plug complete	.80
Q70	Burner, Generator and Valve assembled	4.00
Q99	Generator complete	.50
Q	Wrenches	.30
Q	Pumps	1.00

Other Parts.

Are not stocked in the regular way. They can, however, be secured promptly from the factory.

GASOLINE LAMP SHADES

No. 329. List each 2.50

White opal panel style glass shade designed especially for Quick-Lite lamps; artistic in appearance, durable in construction. 1 in a carton.

No. 317F. List each 5.50

Full Frosted, Crystal Fringe.

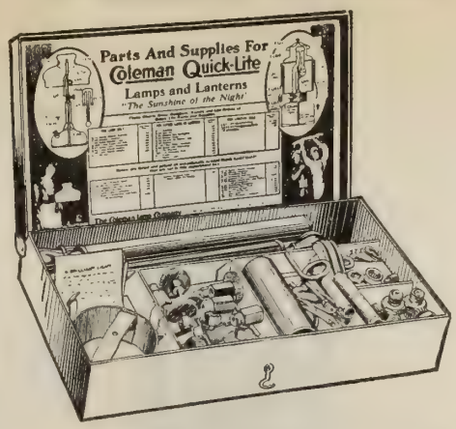
A handsome shade which gives a beautiful lighting effect; attractive in appearance. 1 in a carton.

GASOLINE LAMP GLOBES

No. 321. List each 3.50

Three-quarter frosted globe; made especially for the Quick-Lite gasoline lamps; protects the mantle from flying bugs and insects. 1 in a carton.

"QUICK-LITE" PARTS SUPPLY CASE



No. S. List each 30.00

A metal counter display which gives the proper assortment of the parts and supplies; with lid card which lists all the parts contained in the case, together with prices.

Contents:—

- 4 Q57 Lamp Valves.
- 3 Q Pumps.
- 6 Q25 Burner Cap Screens.
- 3 Q56b Valve Stem and Nut.
- 1 C46 Handle Caps.
- 12 Q36 Gaskets.
- 12 Q18 Gas Tip.
- 2 Q41 Shade Holders Screw.
- 2 Q Wrenches.
- 1 Q17 Casting.
- 2 Q Tip Wrenches.
- 4 Q64b Filler Plugs.
- 6 Q23-25 Burner Caps complete.
- 4 Q24 Burner Tubes.
- 2 LQ57 Lantern Valves
- 2 LQ55 Valve Stem and Nut.
- 1 C45 Handle Fiber.
- 2 C69 Lamp Hangers.
- 6 Q Pump Leathers.
- 1 Q63 Shade Holder.
- 2 LQ Wrenches.
- 12 .007 Tip Cleaning Picks.
- 12 Q99 Generators.

Average weight each, 8 pounds.

Sold only in full cases.

Each in a carton.

GASOLINE LAMP AND LANTERN MANTLES

COLEMAN.

No. 40. List per dozen 3.00

Standard Rag Mantle, 4 inches long; for all gasoline lamps using large size mantles.

No. 41. List per dozen 2.00

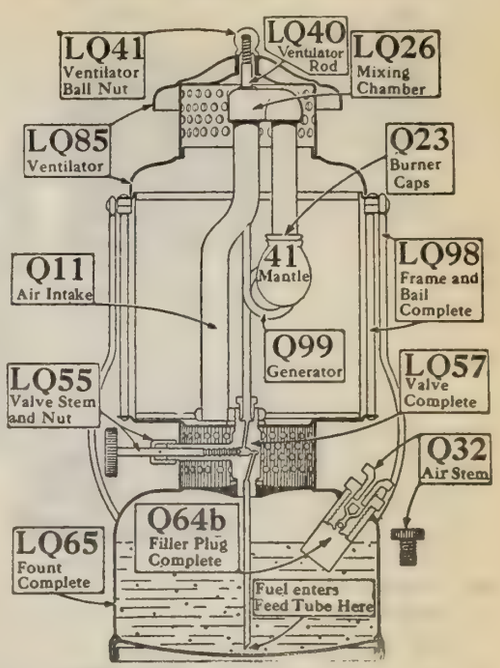
Junior Rag Mantle; 2½ inches long, for Coleman Quick-Lite lamps and lanterns and all other gasoline lamps using two or more small size mantles.

Made from Egyptian long fibre thread, solutioned with the very best chemicals; reinforced bottom; brilliant and durable.

1 dozen in a box.

12 boxes in a display carton.

REPAIR PARTS FOR COLEMAN GASOLINE LANTERNS



No. LQ Wrenches. List each ..... .30

Q 99 Generator. List each ..... .50

Other Parts.

Other parts above shown can be promptly secured from the makers at market prices.

GASOLINE LANTERN CHIMNEYS

No. 327. List each 1.50

Mica, With Reflector.

4¾ inches diameter, 4⅞ inches deep; top and bottom metal rim also metal side slats and slide.

Open stock.

GASOLINE LAMP SCREENS

No. 333. List each 2.20

For Quick-Lite Table Lamps.

White asbestos coated wire bug screen for Nos. CQ329, CQ317, CQ318, CQ321 Quick-Lite lamps.

I in a box.

No. 21. List each 2.00

For Wall Lamps.

Wire Insect screen, white coated; protects mantles from damage by flying insects; for use on BQ321 and PQ321 fixtures.

1 in a box.

DIETZ LANTERNS

COLD BLAST.

No. 2 "D-Lite"—

Bright Tin. List per dozen 34.00

Red Enamelled. List per dozen 37.50

Short Globe.

Made of the best grade of heavily coated tinned steel and wire; substantially made throughout; standing bail, brass eyelets; tinned steel (No. 262) burner; takes B-⅞ or 1 inch wick; first quality "Loc-nob" globe; strong and simple globe lift; cross-wire globe guards; double seamed oil fount with large filler; ribbed side tubes and braced lift-guide; height over all 13¼ inches, 20 hours fount capacity, gives 10 candle power light; average weight per dozen, pounds.

1/2 dozen in a case.

COLD BLAST.

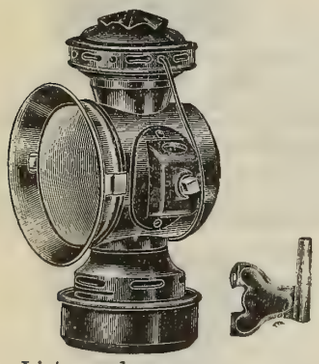
No. 2 Crescent. List per dozen 34.00

Long Globe; Bright Tin Finish.

Made of the best grade of heavily coated tinned steel and wire; well constructed and dependable; heavy bail; No. 262 tinned steel burner, takes B-⅞ or 1 inch kick; first quality seamed oil fount with large filler; strong side tubes; height over all, 15 inches, 20 hours fount capacity; gives 10 candle power light; average weight per dozen, pounds.

1/2 dozen in a case.

DRIVING LANTERNS
or
Parking Lanterns.



"Eureka." List per dozen 45.60

Plain Lens; for Coal Oil

With Left-Hand Bracket.

Black japanned cold rolled steel with nickel plated door rim; positive locking oil fount, 10 hours capacity; No. 5621 steel burner, takes 5/8 inch wick; steel wire bail handle; 3⅛ inch door lens; 2¼ inch ruby rear lens; style "B", nickel plated steel bracket for fastening lantern to dashboard, etc.; average weight per dozen, 17 pounds.

Each in a carton.

1 dozen in a case.

The Eureka Lantern is the best lantern, at the price, on the market.

Various City By-Laws require all vehicles to carry a light, with white light in front and red light at rear. The "Eureka" complies with these By-Laws.

DRIVING LANTERN LENS

Plain. List per dozen 4.80

For Eureka Lanterns.

First quality plain glass lens; 3⅛ inches outside diameter; convexed with plain edge; average weight per dozen, 3/4 pound.

Open stock.

DRIVING LANTERN BRACKETS
or
Holders.

A

B

Style "A". List per dozen 6.50

Dash Clamp Holder.

Nickel plated steel, simple and practical in design; 2¾ inch finger; two piece clamp with wing nut and bolt; for use with Eureka driving lanterns.

Each in an envelope.

Open stock.

Style "B". List per dozen 6.50

Prop Holder.

Nickel plated steel, practical in construction, flanged; 2¾ inch finger; for use with Eureka driving lanterns.

Each in an envelope with screws.

Open stock.

LANTERNS

Sport. List per dozen 14.40

Bright Tin.

A small hand lantern of good construction, light in weight; is practical and will burn steadily in wind or storm; height over all, 7¾ inches; No. 561 patented burner takes 5/8 inch wick; first quality globe; fount capacity 10 houhs; average weight per dozen, packed, 13½ pounds.

1 dozen in a case.

DRIVING LANTERN FOUNTS

DIETZ.

"Eureka." List per dozen 5.00

Japanned cold rolled steel; 3 inches diameter, 2 inches high over all; slip lock collar with fibre washer; 10 hours fount capacity; average weight per dozen, 2½ pounds.

Open stock.

COLD BLAST LANTERNS

BEACON.

No. 3. List per dozen **22.00**

Short Globe; Bright Tin.

Bright tin; gives a 10 candle power light; fitted with No. 2 burner, takes B-⅞ or 1 inch wick; clear glass short globe secured by safety guards; strong globe lift; heavy bail; ribbed side tubes; large fount with filler screw; height over all, 14⅜ inches; average weight per dozen, 30 pounds.

1 dozen in a case.

No. 3 "Trulite". List per dozen **22.00**

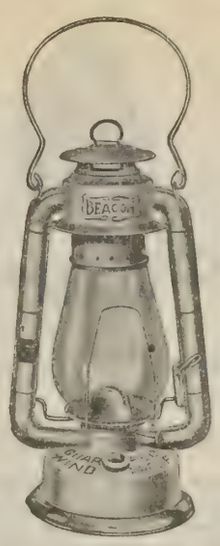
No. 3 "Wrightlite". List per dozen **22.00**

Short Globe; Bright Tin.

I. X. charcoal tin; improved lock burner takes B-⅞ or 1 inch wick; clear short globe secured by cross-wire guards; strong globe lift; self erecting bail handle; pressed tubes; dome well with filler screw, capacity 1½ pints.

1 dozen in a case.

COLD BLAST LANTERNS



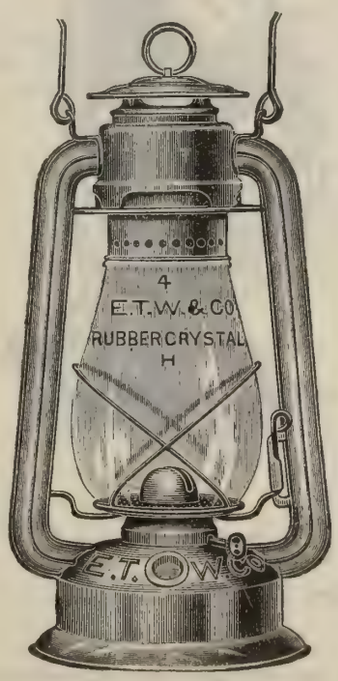
BEACON.

No. 2. List per dozen **22.00**

Long Globe; Bright Tin.

Bright tin; gives a 10 candle power light; fitted with No. 2 burner, takes B-⅞ or 1 inch wick; clear glass regular globe secured by safety guards; strong globe lift; heavy bail; ribbed side tubes; large fount with filler screw; height over all, 15⅛ inches; average weight per dozen, 32 pounds.

1 dozen in a case.



WRIGHT'S.

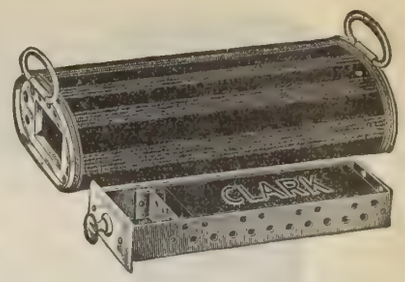
No. 4. List per dozen **22.00**

Long Globe; Bright Tin.

I. X. charcoal tin; improved lock burner takes B-⅞ or 1 inch wick; rubber crystal long globe held by cross-wire guards; strong globe lift; self-erecting bail handle; pressed tubes; dome well with filler screw; capacity 1½ pints.

1 dozen in a case.

CARRIAGE HEATERS



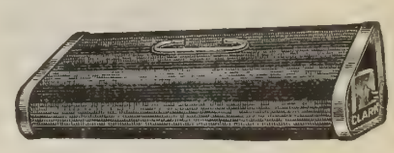
CLARK'S.

No. 5B. List each **5.62**

Oval Top.

Asbestos insulated steel body covered with good carpet; nickel plated steel ventilated ends; perforated sheet steel drawer 8¾ x 3¼ x 1½ inches; steel wire carrying handles; 12 inches long, 7¼ inches wide, 3¾ inches high; popular for small cars, delivery wagons, etc.; average weight each, 4¼ pounds.

Each paper wrapped.



CLARK'S.

No. 7C. List each **7.88**

Slanting Top.

Asbestos insulated steel body covered with Brussels carpet; outside parts nickel plated and polished; ventilated ends with one end adjustable to increase or diminish the heat as desired; perforated sheet steel drawer 10¾ x 3¼ x 1½ inches; steel wire carrying handle; length 13½ inches, width 7½ inches, height 4⅜ inches; for use in every sort of vehicle; average weight each, 6¼ pounds.

Each paper wrapped.

CARRIAGE HEATER COAL

Clark's. List per dozen **2.02**

A scientifically prepared carbon, compressed into bricks; quickly gives a strong heat; each brick measures 7 inches long, 2½ inches wide, 1⅛ inch deep and will furnish heat from 12 to 16 hours; average weight per dozen, 7 pounds.

1/4 dozen in a carton.

OIL HEATERS

No. 525. List each **11.40**

Black Japanned Trimmings.

A well made, strong heater, comparable to the best on the market; steel body; lead coated fount with oil indicator, supported in a frame which protects it from "jar" and the flame from daught; automatic wick locking device; wick changed very easily, and interchangeable with Perfection wicks. Will burn for 10 hours on one gallon of coal oil; strong wire bail handle with coiled wire grip.

1 in a crate.

ELECTRIC HEATERS

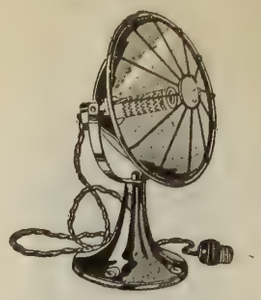
Hot Blast. List each **7.70**

110 Volts.

Blue steel body with nickel plated top, bottom, legs and handle; finest quality nickel crome resistance wire element; wire ball handle with coiled wire grip; complete with 8 foot flexible cord and separable attachment plug; 12 inches high, 8½ inches diameter.

1 in a corrugated carton.

ELECTRIC HEATERS



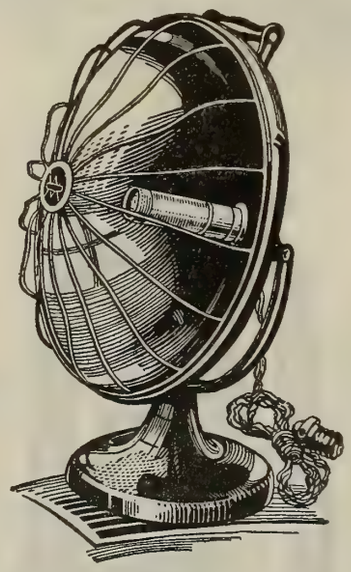
Star. List each **9.00**

Elements Only. List each **2.50**

All Nickel Plated; 110 Volts.

A moderate priced, serviceable heater; has 8-inch Parabola reflector with pressed steel yoke to allow adjusting and control of heat rays; cast iron base 5½ inches diameter; single heating unit wound on porcelain cylinder (renewable) screws in and out of the socket just like an electric bulb; tinned wire guard; complete with 6 foot cord and separable attachment plug; average weight each, 5 pounds.

1 in a carton.



WESTINGHOUSE.

Cozy-Glow. List each **15.30**

100-120 Volts.

Built for stability, utility and efficiency; 14 inch polished copper reflector with trunion yoke to allow adjusting and control of heat rays; heavy cast iron japanned base 8 inches diameter; easily removed heating unit wound on porcelain cylinder and protected by stout copper wire guard; easily moved from place to place by carrying handle rivetted on back; complete with 10 foot flexible cord and separable attachment plug; height over all, 17½ inches; shipping weight each, 11 pounds.

1 in a cardboard carton.

ELECTRIC HEATERS

No. 7.

No. 8.

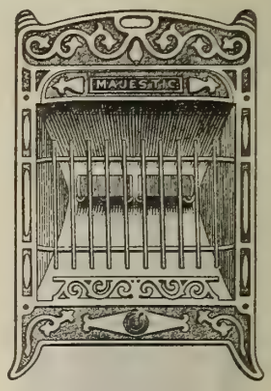
MAJESTIC.

No. 7. Single Element. List each **15.00**
With separate attachment plug for Electric Light Fixtures.

No. 8. Double Element. List each **22.50**
With wall socket plug, not for standard fixtures.

An attractive and compact heater, strongly built with pressed steel base (weighted) and reflector back; 10½ inch polished copper Parabolic reflector with nut and bolt swivel to allow for control of heat rays; heating unit wound on porcelain cylinder and protected by strong copperized wire guard; easily moved from place to place by carrying handle rivetted on back; attractively finished in verd green; complete with 8 foot flexible cord; base 8¾ inches diameter, height over all, 17 inches; shipping weight each, 8 pounds.

1 in a corrugated carton.



MAJESTIC.

No. 5. List each **27.00**

Portable Grate Heater for Wall Socket.

This handy heater can be carried to any room in office or home, radiates a surprising quantity of heat at low cost; old copper finish, cast iron front 13 inches wide, 19 inches high; polished copper reflector with pressed steel back, feet and carrying handle; double heating unit wound on two porcelain cylinders and protected by sheet steel grill; complete with 8 foot cord and wall socket plug; shipping weight, 13 pounds.

1 in a corrugated carton.

ELECTRIC HEATER ELEMENTS

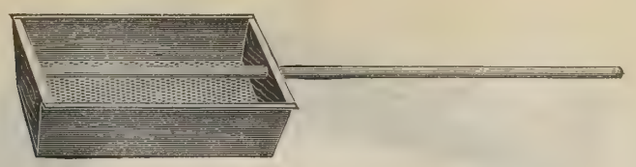
Majestic. List each **3.00**

For No. 8 Majestic Heater.

Porcelain cylinder 3⅛ inches long, 1 3/16 inch diameter, wound with finest quality wire; two are required for No. 8 Heaters.

Open stock.

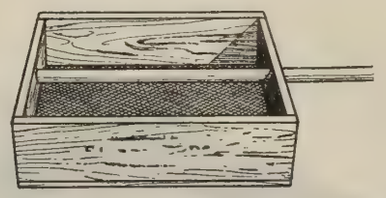
ASH SIFTERS



Metal Sides. List per dozen 4.90

Black sheet metal sides; red stained wood ends; expanded metal bottom; plain hardwood handle 39 inches long; sifter 15¼ inches long, 11½ inches wide, 3¾ inches deep; average weight per dozen, 33 pounds.

1/2 dozen in a bundle.



Wood Frame. List per dozen 4.80

Red stained ash frame of 3/4-inch stock; 14 inches long, 12 inches wide, 3½ inches deep, outside measurements; expanded metal bottom secured by wood strips; plain hardwood handle 38 inches long; average weight per dozen, 40 pounds.

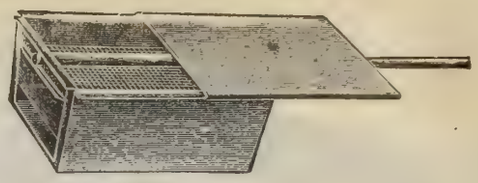
1/2 dozen in a bundle.

No. 2. Banner. List each 5.00

Rocker Type; Dustless; Galvanized.

A simple, quick and effective sifter; detachable ash holder 18 inches long, 11½ inches wide, 16 inches deep, heavy wire rimmed, iron clad rocker bottom and rivetted handles; galvanized sifter with removable lid, 18¾ inches long, 12¼ inches wide, 5 inches deep with 2½ x 2½ mesh galvanized sifter cloth; height over all, 22 inches; average weight each, 13¾ pounds.

Open stock.

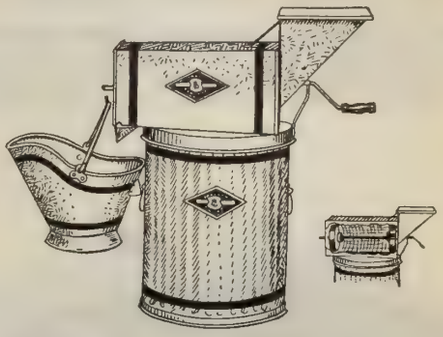


No. 1. Daisy. List per dozen 24.00

Galvanized; Dustless.

Galvanized sheet steel body 14 inches long, 11½ inches wide, 6½ inches deep; sliding lid with rivetted handle; 3 x 3 mesh sifter; hinged half front with catch; 41 inch plain hardwood handle; well made throughout; average weight per dozen, 70 pounds.

Open stock.



Samson. List each 10.00

Cans Only (without cover). List each 6.30

Galvanized; Dustless Revolving Sifter.

Made from extra heavy galvanized sheets heavily wired and braced; covered hopper, sifter box and slip over cover rivetted together as one part; extra heavy galvanized wire mesh revolving cylinder operated by crank with wood grip; lipped sifter box allows the coal to drop directly into the hod which is held by strong hook; corrugated can with heavy wire drop handles; 18¾ inches diameter, 23½ inches high; height over all, 38 inches, length over all, 34 inches; average weight each, 20 lbs. Price does not include coal hod.

Open stock.

Canada. List each 12.70

Revolving Sifter; Dustless; Galvanized.

Made of heavy galvanized sheets securely rivetted together; hopper 13½ inches square at top with hinged lid and agitator handle; revolving sifter enclosed in dust proof box firmly rivetted to can lid; can has heavy wired rim, flat steel bottom rim and heavy wire drop handles, 22 inches high, 17 inches diameter; height over all assembled, 40 inches; length over all, 31 inches

Open stock.

SINGLE BARREL SHOTGUNS

IVER JOHNSON

Model 36:—	12-gauge	16-gauge	20-gauge
List each	21.00	21.00	21.00
App. wt. each	7-Lbs.	6¾-Lbs.	6¾-Lbs.

Plain Extractor; Hammer; 30-Inch Barrel.

A durable, accurate and reliable arm; high carbon, hammer forged, steel barrel with full choke bore; case hardened frame; plain pistol grip stock and fore end; rubber butt plate; length of stock 14 inches, drop at heel, 2¾ inches.

1 in a box.

IVER JOHNSON

Model 40. 12 gauge. List each 22.00

Automatic Ejector; Hammer; 30-Inch Barrel.

A durable, accurate and reliable arm; high carbon, hammer forged, steel barrel with full choke bore; case hardened frame; plain pistol grip stock and fore end; rubber butt plate; length of stock, 14 inches; drop at heel, 2¾ inches; average weight each, 7 pounds.

1 in a box.

IVER JOHNSON

Model 39:—	28-gauge	44-gauge	410-gauge
List each	21.00	22.00	21.00
Length barrel, inches	28	26	26
Ejector	Plain	Automatic	Plain

Reinforced Breech; Hammer.

A carefully made and accurate arm; high carbon, hammer forged steel barrel with full choke bore; case hardened frame; plain walnut pistol grip stock and fore end; rubber butt plate; length of stock 14 inches, drop at heel 2¾ inches; average weight each, 6 pounds.

1 in a box.

SINGLE BARREL SHOTGUNS

STEVENS

No. 105	12-gauge	16-gauge
List each	21.00	21.00

Plain Extractor; 30-inch Barrel; Hammer.

Compressed forged steel, hollow tapered barrel; bored for nitro powder; full choked; top snap action; case hardened frame; plain walnut pistol grip stock; rubber butt plate; spring-fastening fore end; weight each, about 6 pounds.

1 in a box.

STEVENS

No. 107. 12 Gauge. List each 22.00

Automatic Ejector; 30-inch Barrel; Hammer.

Compressed forged steel, hollow tapered barrel; bored for nitro powder; full choked; top snap action; case hardened frame; plain walnut pistol grip stock; rubber butt plate; spring-fastening fore end; weight each, about 6 pounds.

1 in a box.

REPEATING SHOTGUNS

WINCHESTER

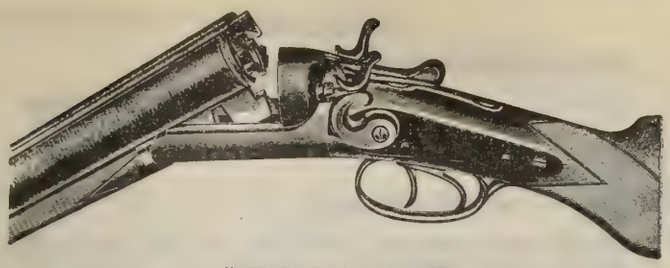
Model 1912	12-gauge	20-gauge
List each	115.50	115.50
Barrel, inches	30	25
For shells, inches	2¾	2½
App. weight each, lbs.	7¼	6

Hammerless; Standard Grade; Take-Down; 6 Shots.

The perfect repeater; nickel steel throughout; light weight; plain walnut pistol grip stock and action slide handle; full choke, interchangeable barrels; length of stock 13¾ inches; drop at heel, 2½ inches.

Paper wrapped.

DOUBLE BARREL SHOTGUNS



BELGIAN MAKE

No. 20	12-gauge	16-gauge
List each	33.50	33.50
Weight each, lbs.	6¼	6½

30-inch Barrels.

Machine made laminated pattern steel barrels; back action; rebounding lock; extension rib, walnut pistol grip stock and patent fore-end matted and polished; solid plungers; circular hammers; top lever action, steel butt plate.

Each paper wrapped.

BELGIAN MAKE

No. 21.	12-gauge	16-gauge	20-gauge
List each	37.00	37.00	37.00
Weight each, lbs.	6¼	6⅜	6½

30-inch Barrels.

Machine made laminated pattern; steel barrels; top lever action; rebounding front action locks; walnut pistol grip and patent fore-end; matted and polished; extension rib, solid plungers; rolled shoulders; circular hammers; steel heel plate.

Each paper wrapped.

BELGIAN MAKE

No. 25 x 12 gauge. List each 42.00

30-inch Barrels.

Machine made rolled blued steel barrels; interchangeable; flattened breech; rebounding locks; matted and polished walnut pistol grip stock and patent fore-end; circular hammers; case hardened mounts; left barrel choked; average weight each, 7 pounds.

Each paper wrapped.

BELGIAN MAKE

No. 27 x 12 gauge. List each 60.00

30-inch Barrels.

Machine made English pattern, fluid steel barrel; interchangeable; animal engraving; case hardened mounts flatted breech; rebounding locks; walnut pistol grip stock; rubber butt plate and cap; matted extension rib, triple bolt patent fore-end; left barrel choked; average weight each, 7¼ pounds.

Each paper wrapped.

STEVENS

No. 235. 12 gauge. List each 56.00

30-Inch Barrels; Hammer.

High-pressure compressed steel barrels, bored for nitro powder; right barrel modified, left barrel full choked; matted rib; case hardened frame; checkered walnut, pistol grip stock and spring fastening fore end; rubber butt plate; length of stock 14 inches, drop at heel 3 inches; average weight each, about 8 pounds.

1 in a box.

STEVENS

No. 315. 12 Gauge. List each 49.50

30-inch Barrels; Hammerless.

Blued steel barrels tested for nitro powder; matted top rib; right barrel modified, left barrel full choked; one piece barrel and lug; brazed fore-end lug; case hardened frame; pistol grip walnut stock, checkered; rubber butt plate; spring fore-end; stock 14 inches long, 3 to 3¼ inches drop; average weight each, 7¼ to 7½ pounds.

1 in a box.

SINGLE SHOT RIFLES

HAMILTON

No. 127. .22-Calibre. List each 5.60

For .22 Short and .22 Long, Rim Fire Cartridges.

Take down; plain flat stock and fore end; tapered barrel, length 30 inches; open rear sight and adjustable front rifle sight; solid breech lock; all working parts of steel with blue black finish; average weight each, 2½ pounds.

1 in a box.

No. 027. List each 6.30

For .22 Short and .22 Long, Rim Fire Cartridges.

Handsomely finished rounded walnut stock; otherwise same as No. 127; average weight each, 2¾ pounds.

1 in a box.

CANUCK

.22 Calibre. List each 13.50

Take Down.

22½ inch round barrel and receiver; special safety device; pressed steel butt plates; heavy steel trigger guard; well finished one-piece pistol grip stock and fore arm; white ivory bead front and white dot "V" rear sight; length over all, 34 inches; weight each, about 3¾ pounds.

1 in a box.

.25 Calibre. List each 13.50

Take Down.

22½ inch round barrel and receiver; special safety device; pressed steel butt plate; heavy steel trigger guard; well finished one-piece pistol grip stock and fore end; white ivory bead front and white dot "V" rear sight; length over all, 34 inches; weight each, about 3¾ pounds.

PAGE-LEWIS

Model "D". .22 Calibre. List each 9.70

For .22 Short, Long and Long Rifle Rim Fire Cartridges.

20 inch round barrel; bolt action; dark oil finished one-piece stock and fore end; bead front and open rear sights; length over all, 37½ inches; average weight each, 3 lbs.

1 in an envelope.

PAGE-LEWIS

Model "A". .22 Calibre. List each 11.50

"Target."

For .22 Short, Long and Long Rifle Rim Fire Cartridges.

20 inch round barrel; blued, steel frame; (steel) lever action; tool steel hammer and trigger; plain extractor; oil finish, oval walnut stock and fore end; bead front and open rear sights; stock 12¾ inches long; length over all, 34 inches; average weight each, 3½ pounds.

1 in a box.

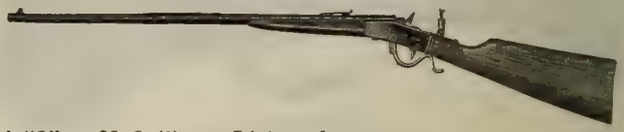
Model "B". .22 Calibre. List each 15.00

"Sharpshooter."

For .22 Short, Long and Long Rifle Rim Fire Cartridges.

24 inch round barrel; blued, steel frame; lever action; tool steel hammer and trigger; plain extractor; oil finish, oval walnut stock and fore end; steel butt plate; bead front and sporting rear sights; stock 13½ inches long; length over all, 39 inches; average weight each, 4¾ lbs.

1 in a box.



Model "C". .22 Calibre. List each 19.00

"Olympic."

For .22 Short, Long and Long Rifle Rim Fire Cartridges.

24 inch round barrel; blued, steel frame; lever action; tool steel hammer and trigger; plain extractor; oil finish, oval walnut stock and fore end; steel butt plate; combination front, sporting rear and peep tang sights; stock 13½ inches long; length over all, 39 inches; average weight each, 4¾ pounds.

1 in a box.

STEVENS

"LITTLE SCOUT."

No. 14½ .22 Calibre. List each 10.90

For .22 Short, Long and Long Rifle Rim Fire Cartridges.

18 inch solid steel barrel, (round) take down; case hardened frame; oval shaped plain walnut stock and fore end; blued steel butt plate; nickel silver knife edge front and open rear sights; weight each, about 2¾ pounds.

1 in a box.

"CRACKSHOT."

No. 26. .22 Calibre. List each 13.90

For .22 short, long and Long Rifle, Rim Fire Cartridges.

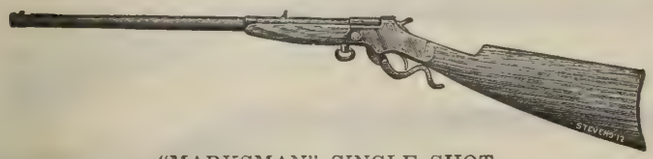
18 inch solid steel, round barrel, take down; blued frame; lever action; oval shaped, walnut stock; carbine butt plate; knife edge front and open rear sights; specially adapted for the use of smokeless powder; weight each, about 3¼ pounds.

1 in a box.

STEVENS RIFLES

"MARKSMAN" SINGLE SHOT.

No. 12. .22 Calibre. List each 17.50
For .22 Short, Long and Long Rifle Rim Fire Cartridges.
Take Down.
22 inch round barrel; reinforced breech; blued frame; lever action; positive extractor; oval shaped, plain walnut stock and fore end; rubber butt plate; bead front sight, open rear sight; average weight each, 4 pounds.
1 in a box.



"MARKSMAN" SINGLE SHOT.

No. 12. .25 Calibre. List each 17.50
For .25 Stevens Rim Fire Cartridges; Take Down.
22 inch round barrel; reinforced breech; blued frame; lever action; positive extractor; oval shaped, plain walnut stock and fore end; rubber butt plate; bead front sight, open rear sight; average weight each, 4 pounds.
1 in a box.

"FAVORITE" SINGLE SHOT.

No. 17. .22 Calibre. List each 20.00
For .22 Short, Long and Long Rifle Rim Fire Cartridges.

No. 17. .25 Calibre. List each 20.00
For .25 Stevens Rim Fire Cartridges.
24 inch barrel, take down; blued frame; plain lever action; automatic ejector for .22 calibre, .25 calibre has plain extractor; walnut stock and fore end; rubber butt plate; No. 203 Rocky Mountain front and No. 112 Sporting rear sights; weight each, about 4½ pounds.
1 in a box.

"FAVORITE" SINGLE SHOT.

No. 27. .32 Calibre. List each 21.20
For .32 Long Rim Fire Cartridges; full Octagon Barrel.
24 inch barrel, take down; blued frame; plain lever action; plain extractor; walnut stock and fore end; rubber butt plate; No. 203 Rocky Mountain front, and No. 112 Sporting rear sights; weight each, about 4½ pounds.
1 in a box.

"VISIBLE LOADING"; REPEATER.

No. 70. .22 Calibre. List each 30.10
For .22 Short, Long and Long Rifle, Rim Fire Cartridges.
22 inch round barrel; blued frame; plain walnut stock and slide action handle; rubber butt plate; stock 13 inches long; extreme length 37 inches; magazine holds 15 short, 13 long and 11 long rifle cartridges; fitted with No. 203 Rocky Mountain front and No. 112 Sporting rear sights; weight each, about 4½ pounds.
1 in a box.

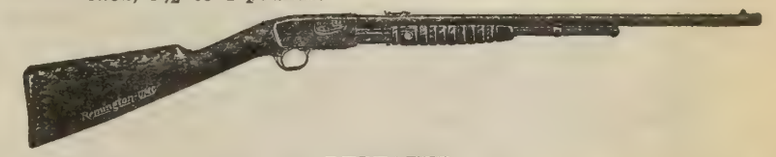
REMINGTON RIFLES

SINGLE SHOT.

No. 6. .22 Calibre. List each 13.00
For .22 Short, Long and Long Rifle Rim Fire Cartridges.
20 inch Remington steel, round, tapered barrel; accurately bored and rifled; case hardened frame; walnut stock and fore end; finely finished steel butt plate; new design open front, rear and tang peep sights; barrel detached by loosening thumb screw; length over all, 34 inches; weight each, 3½ to 4 pounds.
1 in a box.

SINGLE SHOT.

No. 6. .32 Calibre. List each 13.00
For .32 Short and Long R. F. Cartridges.
20 inch Remington steel, round, tapered barrel; accurately bored and rifled; case hardened frame; walnut stock and fore end; finely finished steel butt plate; new design open front, rear and tang peep sights; barrel detached by loosening thumb screw; length over all, 34 inches; weight each, 3½ to 4 pounds.



REPEATER.

No. 12A. .22 Calibre. List each 46.30
Hammerless; Take-Down.
For .22 Short, Long and Long Rifle, R. F. Cartridges.
22 inch Remington steel round barrel; 16 inch twist; straight grip, walnut stock and action slide handle; rubber butt plate; special step rear sight with finger-piece; white metal bead sporting front sight; magazine holds 16 short, 12 long and 11 long rifle cartridges; length over all, 39½ inches; weight each, about 4½ pounds.
1 in a box.

SPORTING REPEATER.

Model 14A:—
.30 Calibre. List each 104.00
.35 Calibre. List each 104.00
Hammerless; "Standard" Grade; Take-Down.
22 inch ordnance steel, round barrel; solid breech; half-pistol grip stock of American walnut, fitted with shotgun style steel butt plate; quick adjustable straight bar rear sight and new design copper bead front sight; magazine holds five cartridges with one in the chamber, giving a capacity of 6 shots; length over all, 41 inches; weight each, about 6¾ pounds.
1 in a box.

SAVAGE RIFLES

"JUNIOR" SINGLE SHOT.

Model 1904. .22 Calibre. List each 18.20
For .22 Short, Long and Long Rifle, Rim Fire Cartridges.
18 inch round barrel; bolt action; carefully shaped American walnut stock with shot gun butt; steel butt plate; bead front and adjustable rear sight; automatic shell ejector; strong and safe in every respect; cleaning rod with each arm; weight each, about 3 pounds.
1 in a box.

SAVAGE RIFLES

SPORTING REPEATER.

Model 1899:—

.22 Hi-Power. List each 95.00

Hammerless; Take-Down; Featherweight; 6 Shot.

Specially tapered 20 inch round barrel of Hi-pressure smokeless steel; solid breech; lever action; selected Amei-can walnut stock and forearm; corrugated steel butt plate; shot gun butt; white metal bead front and adjustable flat top sporting rear sights; rotary box type magazine with indicator, five shot capacity; hammer indicator; lever lock; weight each, 6½ pounds.

1 in a box.

SPORTING REPEATER.

Model 1899:—

.303 Solid Frame. List each 84.50

.303 Take Down. List each 96.20

Hammerless; Standard Weight; 6 Shot.

26 inch round barrel, specially tapered, of Hi-pressure smokeless steel; solid breech; lever action; selecteed American walnut stock and forearm; shot gun butt with steel butt plate; knife edge front and adjustable flat top sporting rear sights; rotary box type magazine, 5 shot capacity; hammer indicator; lever lock; weight each, 7⅝ to 8 pounds.

1 in a box.

SPORTING REPEATER.

Model 1899:—

.250/3000 Calibre. List each 85.00

Hammerless; Take Down; Featherweight; 6 Shot.

22 inch round barrel, specially tapered, of Hi-pressure smokeless steel; solid breech; lever action; selected American walnut stock and forearm; shotgun butt with steel butt plate; white metal bead front and adjustable flat top sporting rear sights; rotary box type indicator magazine, five shot capacity; hammer indicator; lever lock; weight each, 7 pounds.

1 in a box.

WINCHESTER RIFLES

SINGLE SHOT.

Model 1902:—

.22 Calibre. List each 15.80

Bolt Action.

For .22 Short, Long and Extra Long, R. F. Cartridges.

18 inch round barrel; carefully bored and rifled; straight grip stock, handsomely polished and finished; rubber butt plate; new designed trigger guard; open rear and Winchester patented front sight; length over all, 33½ inches; weight each, about 3 pounds.

1 in a box.

WINCHESTER RIFLES

SINGLE SHOT.

Model 1904:—

.22 Calibre. List each 19.30

For .22 Short, Long and Extra Long, R. F. Cartridges.

21 inch, heavy round barrel; adjustable rear sight, bead front sight; highly finished Shultzen shaped stock; blued steel rifle butt plate; blued steel trigger guard; Winchester bolt action; rebounding lock; length over all, 36¾ inches; a well balanced arm; weight each, about 4 pounds.

1 in a box.

REPEATER.

Model 1906:—

.22 Calibre. List each 45.50

Take Down.

For .22 Short, Long and Long Rifle, R. F. Cartridges.

20 inch, round barrel; fitted with Sporting front and adjustable rear sights; handsomely finished straight grip walnut stock and slide handle; composition hard rubber butt plate; sliding forearm action; extra light weight; magazine holds 15 short, 12 long or 11 long rifle cartridges; length over all, 36 inches; weight each, 5 pounds.

1 in a box.

REPEATER.

Model 1906:—

.22 Expert Grade. List each 52.50

Take Down; Extra Light Weight.

For .22 Short, Long and Long Rifle, R. F. Cartridges.

20 inch, round barrel, fitted with sporting front and adjustable rear sights; handsomely finished pistol grip walnut stock and special slide handle; composition hard rubber butt plate; sliding forearm action; extra light weight; magazine holds 15 short, 12 long and 11 long rifle cartridges; length over all, 36 inches; weight each, 5 lbs.

1 in a box.

REPEATER.

Model 1890:—

.22 Long. List each 52.50

.22 W. R. F. List each *52.50

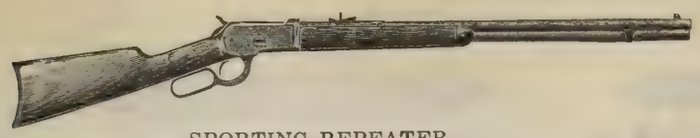
Octagon Barrel; Take Down.

24 inch barrel; plain trigger; straight grip walnut stock and slide action handle; adapted to the use of the particular cartridge for which the arm is chambered and bored as stamped on the barrel; a splendid light weight repeater; simple and strong action; weight each, 5¾ pounds.

1 in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

WINCHESTER RIFLES



SPORTING REPEATER.

Model 1892:—

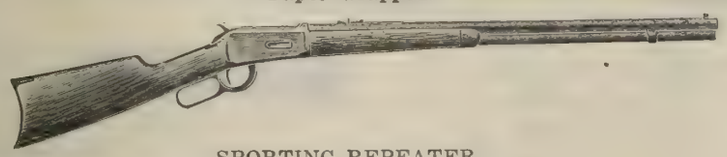
.25/20 Calibre. List each 67.60

.38 Calibre. List each 67.60

Round Barrel; Solid Frame; Full Magazine; 14 Shot.

24 inch barrel; plain walnut stock; metal butt plate; blued frame and mountings; lever action; plain trigger; fitted with sporting front and Express rear sights; a light, strong arm, easy and rapid firing; weight each, about 7½ pounds.

Paper wrapped.



SPORTING REPEATER.

Model 1894:—

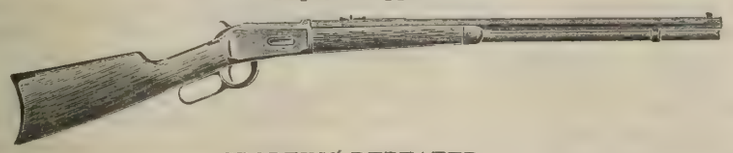
.32/40 Round Barrel. List each 75.60

.38/55 Round Barrel. List each 75.60

Solid Frame; Full Magazine; 9 Shot.

26 inch steel barrel; plain walnut stock; metal butt plate; blued frame and mountings; lever action; plain trigger; fitted with sporting front and express rear sights; a very popular sporting model, strong, light and elegant; weight each, about 7¾ pounds.

Paper wrapped.



SPORTING REPEATER.

Model 1894:—

.30 Winchester, Round Barrel. List each 80.20

.30 Winchester, Octagon Barrel. List each 86.10

.32 Winchester Special, Round Barrel. List each 80.20

.32 Winchester Special, Octagon Barrel. List each 86.10

Solid Frame; Full Magazine; 9 Shot.

26 inch nickel steel barrel; plain walnut stock; metal butt plate; blued frame and mountings; lever action; plain trigger; sporting front and express rear sights; specially made for the high power cartridges above mentioned; black powder cartridges cannot be used; weight each, about 8¼ pounds.

Paper wrapped.

SPORTING REPEATER.

Model 1895:—

.303 British. List each 105.00

Round Barrel; Take Down; Box Magazine.

24 inch nickel steel barrel; plain walnut stock and fore-end; lever action; blued frame and mountings; 6 shot capacity; a well recommended, hard shooting rifle for large game; weight each, about 8½ pounds.

Paper wrapped.

SPORTING REPEATER.

Model 1907:—

.351 Calibre. List each 122.50

Self-Loading; Hammerless; Take Down.

20 inch round nickel steel barrel; plain walnut pistol grip stock and forearm; shot gun butt stock; rubber butt plate; blued frame and mountings; sporting front and rear sights; a powerful rifle that operates itself as fast as the trigger can be pulled; length over all, 37⅞ inches; weight each, about 8 pounds.

Paper wrapped.

SPORTING REPEATER.

Model 1905:—

.32 Calibre. List each 101.50

.35 Calibre. List each 101.50

Self-Loading; Hammerless; Take-Down.

22 inch round barrel, adapted to high power smokeless cartridges as above; plain walnut pistol grip stock and forearm; blued frame and mountings; sporting front and rear sights; rubber butt plate; length over all, 39¾ inches; a reliable rifle that operates itself as fast as the trigger can be pulled; weight each, about 7¾ pounds.

Paper wrapped.

WINCHESTER CARBINES

Model 1894 Carbine:—

.30 Winchester. List each 82.30

.32 Winchester Special. List each 82.30

Solid Frame; Full Magazine; with Sling and Strap.

20 inch round nickel steel barrel; plain walnut carbine butt stock; blued frame and mountings; lever action; plain trigger; fine grade leather sling and strap; full magazine; 7 shot; average weight each, about 6½ pounds.

Paper wrapped.

REVOLVERS

IVER JOHNSON.

Hammer—

.32 Nickel. List each 20.70

.32 Blued. List each 20.70

Safety Hammer; 5 Shot.

3 inch barrel; double action; automatic shell ejector; jointed steel frame; black rubber composition stock; centre fire; will not explode the cartridge without directly pulling the trigger; average weight each, 13 ounces.

1 in a box.

IVER JOHNSON.

Hammerless—

.32 Blued. List each 22.50

.38 Blued. List each 22.50

Safety Hammerless; 5 Shot.

3¼ inch barrel; double action; automatic shell ejector; jointed steel frame; black rubber composition stock; centre fire; will not explode the cartridge without directly pulling the trigger; average weight each:—.32, 13 oz., .38, 17 oz.

1 in a box.

RIM FIRE (Metallic) CARTRIDGES

Arranged in Order of Calibre, Irrespective of Maker or whether Black, Lesmok or Smokeless.

B. B. CAPS

	Mfs. Std. List	List 1000
Dominion, Black	7.00	6.16

Adapted to .22 calibre rim fire single shot rifles; 20 grain bullet; 100 in a box.

C. B. CAPS

	Mfs. Std. List	List 1000
Dominion, Black	8.80	7.76
Winchester, "Lesmok"	4.40	8.58

Adapted to .22 calibre rim fire single shot rifles; 28 grain bullet; 100 in a box.

.22 SHORT

	Mfs. Std. List	List 1000
Dominion, "Lesmok"..	10.00	8.00
Dominion, Smokeless	10.70	8.56
Winchester, "Lesmok"	5.00	9.76
Winchester, Smokeless	5.35	10.44

Adapted to all standard repeating and single shot rifles; also revolvers and pistols made for .22 short cartridges; 50 in a box.

.22 SHORT SPOTLIGHT

	Mfs. Std. List	List 1000
Winchester, "Lesmok"	5.85	11.42

Adapted to all standard repeating and single shot rifles; also revolvers and pistols made for .22 short cartridges. When the bullet of a spotlight cartridge hits the target it emits a bright flash of light about the size of a silver dollar; 50 in a box.

.22 SHORT, MUSHROOM

	Mfs. Std. List	List 1000
Dominion, "Lesmok".	11.00	8.80
Dominion, Smokeless.	11.50	9.20

Adapted to all standard repeating and single shot rifles; also revolvers and pistols made for .22 short cartridges; 29 grain bullet; 50 in a box.

.22 LONG

	Mfs. Std. List	List 1000
Dominion, "Lesmok".	12.00	9.60
Dominion, Smokeless.	15.00	12.00
Winchester, "Lesmok".	6.00	11.70
Winchester, Smokeless	7.50	14.64

Adapted to all standard repeating and single shot rifles; also pistols made for .22 long cartridges; 30 grain bullet; 50 in a box.

.22 LONG, MUSHROOM

	Mfs. Std. List	List 1000
Dominion, "Lesmok".	13.00	10.40

Adapted to all standard repeating and single shot rifles; also revolvers and pistols made for .22 long cartridges; 29 grain bullet; 50 in a box.

.22 LONG RIFLE

	Mfs. Std. List	List 1000
Dominion, "Lesmok".	14.00	11.20
Dominion, Smokeless.	17.50	14.00
Winchester, "Lesmok"	7.00	13.66
Winchester, Smokeless	8.75	17.08

Adapted to standard repeating and single shot rifles; also revolvers and pistols made for .22 long cartridges; 40 grain bullet; 50 in a box.

.22 LONG RIFLE, MUSHROOM

	Mfs. Std. List	List 1000
Dominion, "Lesmok".	15.20	12.00

Adapted to standard single shot and repeating rifles; also pistols and revolvers made for .22 Long Rifle Cartridges; weight of bullet, 39 grains; 50 in a box.

.22 LONG RIFLE PALMA

	Mfs. Std. List.	List 1000
U.M.C. "Lesmok"	7.00	13.66

A particularly accurate cartridge for fine target shooting, for rifles taking .22 long rifle R. F. cartridges.

50 in a box.

.22 EXTRA LONG

	Mfs. Std. List	List 1000
Dominion, Black	21.00	16.80
Winchester, "Lesmok"	10.50	20.48

Adapted to single shot rifles of this calibre, also S. & W. revolvers; 50 in a box.

.22 WINCHESTER

	Mfs. Std. List	List 1000
Dominion, Black	21.00	16.80
Winchester, "Lesmok"	10.50	20.48
Winchester, Smokeless	11.75	22.92

Adapted to Winchester Model 1890, Remington Repeating rifles; Winchester and Stevens single shot and Colt target revolvers; 50 in a box.

.22 WINCHESTER AUTOMATIC

	Mfs. Std. List	List 1000
Dominion, Smokeless.	23.50	18.80
Winchester, Smokeless	11.75	22.92

Adapted to Winchester Automatic .22 calibre, Model 1903; 45 grain bullet; 50 in a box.

.25 STEVENS SHORT

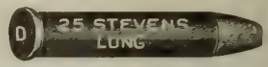
	Mfs. Std. List	List 1000
Dominion, Black	23.50	18.80
Winchester, Black ...	11.75	22.92

Adapted to Marlin Repeating Rifle of this calibre and to Stevens, Remington and Winchester single shot rifles; 65 grain bullet; 50 in a box.

.25 STEVENS

	Mfs. Std. List	List 1000
Winchester, Black ...	16.50	32.20

Adapted to Winchester single shot, Stevens single shot and repeating rifles; 50 in a box.



.25 STEVENS LONG

	Mfs. Std. List	List 1000
Dominion, Black	33.00	26.40

Adapted to Marlin Repeating Rifle of this calibre and to Stevens, Remington and Winchester single shot rifles; 65 grain bullet; 50 in a box.

.32 SHORT

	Mfs. Std. List	List 1000
Dominion, Black	23.50	18.80

Adapted to the various revolvers, single shot pistols and single shot rifles of this calibre, also Marlin repeating rifle, Model 1892; 82 grain bullet; 50 in a box.

.32 LONG

	Mfs. Std. List	List 1000
Dominion, Black	27.00	21.60

Adapted to the various revolvers, single shot pistols and single shot rifles of this calibre, also Marlin repeating rifle, Model 1892; 90 grain bullet; 50 in a box.

.38 LONG

	Mfs. Std. List	List 1000
Dominion, Black	42.00	33.60

Adapted to all rim fire revolvers and rifles of this calibre; 148 grain bullet; 50 in a box.

.44 FLAT

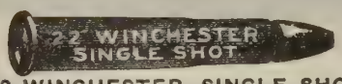
	Mfs. Std. List	List 1000
Dominion, Black	56.00	44.80

Adapted to Henry and Winchester Model 1866 rifles, and Colt revolvers; 200 grain bullet; 50 in a box.

CENTRE FIRE CARTRIDGES

For Pistol, Revolver, Military and Sporting Rifles.

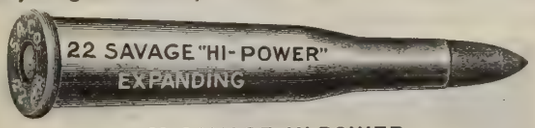
Arranged in the order of calibre, irrespective of make or whether black or smokeless.



.22 WINCHESTER, SINGLE SHOT

Winchester, Black. Lead Bullet. Mfs. Std. list 26.25. List 1000 **57.76**

Adapted to Winchester and Remington U.M.C. single shot rifles; 45 grain bullet; 50 in a box.



.22 SAVAGE HI-POWER

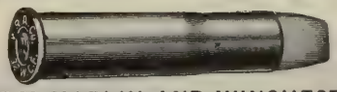
	Mfs. Std. list.	List 1000
Savage, Smokeless, Soft Point	72.25	**158.96**
Savage, Smokeless, Hard Point	72.25	**158.96**

For Savage High Power Rifle .22 calibre; 70 grain bullet; 20 in a box.

.25-20 WINCHESTER

Winchester, Black. Lead Bullet. Mfs. Std. list 28.00. List 1000 **61.60**

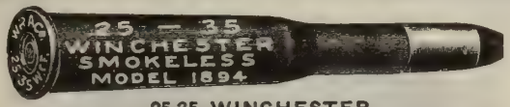
Adapted to Winchester Repeating Rifles, Model 92; 86 grain bullet; 50 in a box.



.25-20 MARLIN AND WINCHESTER

	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	56.00	**49.28**
Dominion, Smokeless, Soft Point	70.00	**61.60**
Winchester, Black. Lead Bullet	28.00	**61.60**

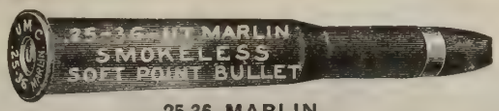
Adapted to Marlin and Winchester repeating rifles; Not adapted to single shot rifles; 86 grain bullet; 50 in a box.



.25-35 WINCHESTER

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	125.50	**100.40**
Winchester, Smokeless, Soft Point	62.75	**138.06**

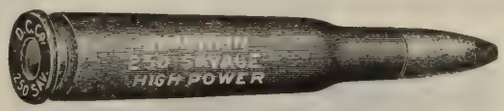
Adapted to Winchester and Savage Rifles; 117 grain bullet; 20 in a box.



.25-36 MARLIN

	Mfs. Std. list.	List 1000
Winchester, Smokeless, Soft Point	62.75	**138.06**

Adapted to Marlin Model 1893 repeating rifles; 117 grain bullet; 20 in a box.



.250-3000 SAVAGE

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	160.00	**128.00**
Savage, Smokeless, Soft Point	80.00	**176.00**

For Savage High Power Rifle; 87 grain bullet; 20 in a box.

.30 ARMY

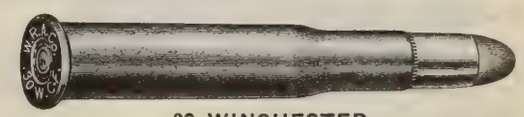
	Mfs. Std. list.	List 1000
Winchester, Smokeless, Soft Point	104 50	**229.90**
Winchester, Smokeless, Hard Point	104.50	**229.90**

Adapted to Krag-Jorgenson repeating rifle, Remington-Lee, and Winchester Model 1895, and single shot rifles; 220 grain bullet; 20 in a box.

.30 REMINGTON (Rimless).

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	144.50	**115.60**
Winchester, Smokeless, Soft Point	72.25	**158.96**

Adapted to Remington U.M.C. autoloading or repeating, Standard automatic, and Stevens repeating rifles; 170 grain bullet; 20 in a box.



.30 WINCHESTER
(Same as .30-30 Smokeless)

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	144.50	**115.60**
Winchester, Smokeless, Soft Point	72.25	**158.96**
Winchester, Smokeless, Hard Point	72.25	**158.96**

Adapted to Winchester, Marlin, Remington-Lee, and Savage Rifles; 170 grain bullet; 20 in a box.

.303 BRITISH

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	190.00	**152.00**
Dominion, Smokeless, Hard Point	190.00	**152.00**
Winchester, Smokeless, Soft Point	95.00	**209.00**
Winchester, Smokeless, Hard Point	95.00	**209.00**

Adapted to Ross .303 Service and Sporting Rifles, Lee-Metford, Lee-Enfield and Winchester Model 1895; 215 grain bullet; 20 in a box.

.303 SAVAGE

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	144.50	**115.60**
Savage, Smokeless, Soft Point	72.25	**158.96**
Winchester, Smokeless, Soft Point	72.25	**158.96**
Winchester, Smokeless, Hard Point	72.25	**158.96**

Adapted to Savage .303 Repeating Rifle; suitable for accurate shooting up to 100 yards; 190 grain bullet; 20 in a box.

NOTE:—.303 Savage cartridges will not interchange with .303 British.

.32 SMITH & WESSON

	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	38.50	**33.88**
Dominion Smokeless. Lead Bullet.	42.00	**36.96**

Adapted to Smith & Wesson, H. & R., H. & A., and other revolvers; 85 grain bullet; 50 in a box.

NOTE:—.32 S. & W. will not interchange with .32 Colt

.32 SHORT COLT

Dominion, Black. Lead Bullet. Mfs. Std. list 38.50. List 1000 **33.88**

Adapted to Colt, Webley and other revolvers; also Marlin rifle model 1892; 82 grain bullet; 50 in a box.

NOTE:—.32 Colt will not interchange with .32 S. & W.

CENTRE FIRE CARTRIDGES

.32 LONG COLT

Dominion, Black. Lead Bullet. Mfs. Std. list 42.00. List 1000 **36.95**

Adapted to Colt revolvers, Webley and other revolvers and rifles; 90 grain bullet; 50 in a box.

.32 COLT AUTOMATIC

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Hard Point	63.00	55.44
Winchester, Smokeless, Hard Point	31.50	69.30

Adapted to Colt, Savage, Webley, Scott and Browning 7.65 M-M Automatic pistols; 74 grain bullet; 50 in a box.

.32 WINCHESTER SPECIAL

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	144.50	115.60
Winchester, Smokeless, Soft Point	72.25	158.96
Winchester, Smokeless, Hard Point	72 25	158.96

Adapted to Winchester repeating rifle, model 1894, Marlin model 1893, Remington-Lee repeating rifles and Winchester and Remington single shot rifles; 170 grain bullet; 20 in a box.

.32 WINCHESTER SELF-LOADING

	Mfs. Std. list.	List 1000
Winchester, Smokeless, Soft Point	51.25	112.75

Adapted to Winchester Model 1905 Self-Loading Rifles; 165 grain bullet; 50 in a box.

.32 REMINGTON (Rimless).

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	144.50	115.60
Winchester, Smokeless, Soft Point	72.25	158.96

Adapted to Remington U. M. C. autoloading or repeating, Standard Automatic, and Stevens Repeating Rifles; 170 grain bullet; 20 in a box.

.32-20.

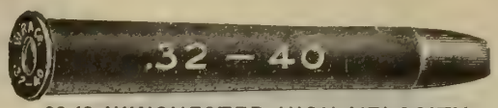
Dominion, Black. Lead Bullet. Mfs. Std. list 56 00. List 1000 **49.28**

Adapted to Marlin, Winchester and Colt repeating rifles; Remington and Winchester single shot rifles; also Colt and Smith & Wesson revolvers; 115 grain bullet; 50 in a box.

.32-40

	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	102.50	82.00
Dominion, Smokeless, Soft Point	121.50	97.20
Winchester, Black. Lead bullet	51.25	112.76
Winchester, Smokeless, Soft Point	60.75	133.65

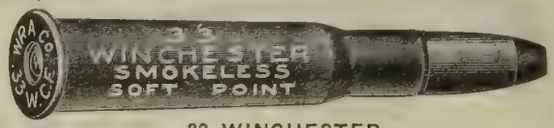
Adapted to Winchester Model 1894, Marlin and Savage Rifles; Ballard, Remington U. M. C., and Winchester single shot rifles; 165 grain bullet; 20 in a box.



.32-40 WINCHESTER HIGH VELOCITY

	Mfs. Std. list.	List 1000
Winchester, Smokeless, Soft Point	72.25	158.96

Adapted to Winchester, Marlin and Savage Repeating Rifles, to Remington-Lee Repeating; also Remington U. M. C. High Pressure Single Shot Rifles; 175 grain bullet; 20 in a box.



.33 WINCHESTER

	Mfs. Std. list.	List 1000
Winchester, Smokeless, Soft Point	95.00	209 00

Adapted to Winchester model 86 rifle, also Marlin model 1895 high power rifle; 200 grain bullet; 20 in a box.

.35 WINCHESTER SELF-LOADING

	Mfs. Std. list.	List 1000
Winchester, Smokeless, Soft Point	52.25	114.96

Adapted to Winchester model 05 self-loading rifle; 180 grain bullet; 50 in a box.

.35 REMINGTON (Rimless).

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	159.50	127.60
Winchester, Smokeless, Soft Point	79.75	175.46

Adapted to Remington U. M. C. Autoloading or Repeating; Standard Automatic and Stevens Repeating Rifles; 200 grain bullet; 20 in a box.

.351 WINCHESTER SELF-LOADING

	Mfs. Std. list.	List 1000
Dominion, Smokeless, Soft Point	121.50	97.20
Winchester, Smokeless, Soft Point	60.75	133.66

Adapted to Winchester Self-Loading, Model 1907 Rifle; 180 grain bullet; 50 in a box.

.38 SMITH & WESSON

Dominion, Black. Lead Bullet. Mfs. Std. list 47.00. List 1000 **41.36**

Adapted to S. & W., H. & R., H. & A., Colt Police and other revolvers; 145 grain bullet; 50 in a box.

.38 SHORT COLT

	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	47.00	41.36
Winchester, Black. Lead Bullet	23.50	51.70

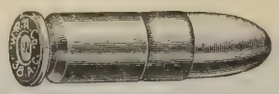
Adapted to Colt revolvers and rifles of this calibre; 130 grain bullet; 50 in a box.

.38 LONG COLT

Dominion, Black. Lead Bullet Mfs. Std. list 51.00. List 1000 **44.88**

Adapted to Colt, Smith & Wesson and other revolvers, also rifles of this calibre; 150 grain bullet; 50 in a box.

CENTRE FIRE CARTRIDGES



.38 COLT AUTOMATIC

	Mfs. Std. list.	List 1000
Winchester, Smokeless, Hard Point	45.50	100.10

Adapted to Colt .38 automatic pistol and Bayard 9 M/M pistol; 130 grain bullet; 50 in a box.

.38 WINCHESTER

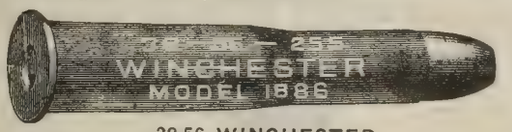
	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	66.50	58.52
Dominion, Smokeless, Soft Point	84 00	73.92
Winchester, Black. Lead Bullet	38.25	73.16
Winchester, Smokeless, Soft Point	42.00	92.40

Adapted to Winchester repeating rifles, models 73 and 92, Colt and Remington repeating rifles; Winchester single shot rifles; also Colt and S. & W. Revolvers; 180 grain bullet; 50 in a box.

.38-55

	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	125.50	100.40
Dominion, Smokeless, Soft Point	152.00	121.60
Dominion, Smokeless, Hard Point	152.00	121.60
Winchester, Black. Lead Bullet	62.75	138.06
Winchester, Smokeless, Soft Point	76.00	167.20
Winchester, Smokeless, Hard Point	76.00	167.20

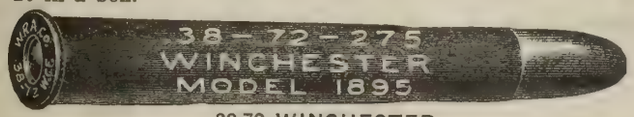
Adapted to Winchester Model 1894, Marlin, Savage and Remington U. M. C., Ballard and Winchester Single Shot Rifles; 255 grain bullet; 20 in a box.



.38-56 WINCHESTER

	Mfs. Std. list.	List 1000
Winchester, Black. Lead Bullet	62.75	138.06

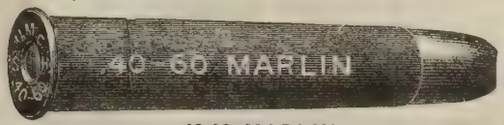
Adapted to Winchester, Marlin and other repeating rifles; also to Winchester single shot rifles; 255 grain bullet; 20 in a box.



.38-72 WINCHESTER

	Mfs. Std. list.	List 1000
Winchester, Smokeless, Soft Point	81.75	179.84

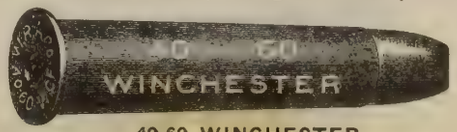
Adapted to Winchester Repeating Rifles, Model 1886; 275 grain bullet; 20 in a box.



.40-60 MARLIN

	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	121.50	97.20

Adapted to Marlin rifles; 260 grain bullet; 20 in a box.



.40-60 WINCHESTER

	Mfs. Std. list.	List 1000
Winchester, Black. Lead Bullet	60.75	133.64

Adapted to Winchester Model 1876 and other repeating rifles; also to Remington U. M. C. and Winchester single shot rifles; 210 grain bullet; 20 in a box.

.40-65

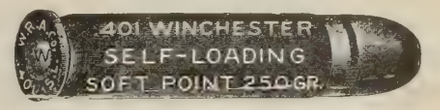
	Mfs. Std. list.	List 1000
Winchester, Black. Lead Bullet	62.75	138.00

Adapted to Model 1886 Winchester and Marlin repeating rifles; also to Remington U. M. C. and Winchester single shot rifles; 260 grain bullet; 20 in a box.

.401-200 WINCHESTER SELF-LOADING

	Mfs. Std. list.	List 1000
Winchester, Smokeless, Soft Point	76.00	167.20

Adapted to Winchester Model 1910 Self-Loading Rifle; 200 grain bullet; 20 in a box.



.401-250 WINCHESTER SELF-LOADING

	Mfs. Std. list.	List 1000
Winchester, Smokeless, Soft Point	76.00	167.20

Adapted to Winchester, Model 1910 Self-Loading Rifle; 250 grain bullet; 20 in a box.

.44 WINCHESTER

	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	66.50	58.52
Dominion, Smokeless, Soft Point	84.00	73.80
Winchester, Black. Lead Bullet	33.25	73.16
Winchester, Smokeless, Soft Point	42.00	92.40

Adapted to Winchester repeating rifles models 73 and 92; Marlin model 1894; Remington repeating rifles; Winchester single shot rifles; Smith & Wesson double action and Colt revolvers; 200 grain bullet; 50 in a box.

.45-60 WINCHESTER

	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	125.50	100.40

Adapted to Winchester Repeating Rifle, Model 1876, .45-60 Winchester Single Shot Rifle, and Kennedy Repeating Rifle; 300 grain bullet; 20 in a box.

.45-75 WINCHESTER

	Mfs. Std. list.	List 1000
Dominion, Black. Lead Bullet	133.00	106.40
Winchester, Black. Lead Bullet	66.50	146.30

Adapted to Winchester rifle, Model 1876, Winchester single shot rifle and Kennedy repeating rifle; 350 grain bullet; 20 in a box.

SHOT CARTRIDGES

.22 LONG SHOT, R. F.

	Shot.	Mfs. Std. list.	List 1000
Dominion, Black	No. 10	22.00	17.60
Winchester, Black	No. 12	11.00	21.46

Rim Fire.

Function in all .22 rifles and revolvers adapted to .22 long and .22 long rifle cartridges; 50 in a box.

.32 LONG SHOT, R. F.

	Mfs. Std. list.	List 1000
Dominion, Black	44.00	35.20
Winchester, Black	22.00	42.90

Rim Fire; No. 10 Shot.

Adapted to rifles and revolvers which take .32 long cartridges; 50 in a box.

.32 WINCHESTER, C. F.

Winchester, Black. Mfs. Std. list 25.50. List 1000 ..... 56.10

Centre Fire; No. 10 Shot.

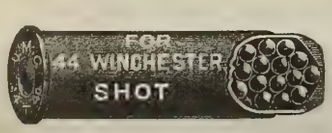
Adapted to Winchester, Marlin and Colt repeating rifles; Remington U. M. C., and Winchester single shot rifles; also Colt and S. & W. revolvers; 50 in a box.

.38 WINCHESTER, C. F.

Winchester, Black. Mfs. Std. list 30.00. List 1000 ..... 66.00

Centre Fire, No. 8 Shot.

Adapted to Winchester, Marlin and Colt repeating rifles; Remington and Winchester single shot rifles; also Colt and S. & W. revolvers; 50 in a box.



.44 WINCHESTER, C. F.

Dominion, Black. Mfs. Std. list 60.00. List 1000 ..... 52.80

Centre Fire; No. 7 Shot.

Adapted to Winchester, Marlin, Colt and other repeating rifles; Remington, Winchester, and other single shot rifles; also to Colt, S. & W., Merwin, Hulbert & Co., Remington and other revolvers; 50 in a box.

SHOT CARTRIDGES

.44 I. X. L. SHOT, C. F.

Dominion, Black. Mfs. Std. list 63.00. List 1000 ..... 54.44

Centre Fire; No. 7 Shot.
Adapted to I. X. L. and other shot guns; 50 in a box.

.57 SNIDER SHOT, C. F.

	Mfs. Std. list.	List 1000
Dominion, Black, Ball	152.00	133.76
Dominion, Black, 6 Shot	152.00	133.76

Centre Fire.
Adapted to Snider rifles of this calibre; 25 in a box.

BLANK CARTRIDGES

.22 SHORT, R. F.

	Mfs. Std. list.	List 1000
Dominion, Black	6.00	5.76
Winchester, Black	3.00	5.90

Rim Fire.
Adapted to rim fire rifles and revolvers of this calibre; 100 in a box.

.32 SHORT, R. F.

	Mfs. Std. list.	List 1000
Dominion, Black.	11.00	10.56
Winchester, Black	5.00	10.74

Adapted to rim fire rifles, revolvers and pistols of this calibre; 50 in a box.

.32 SMITH & WESSON, C. F.

	Mfs. Std. list.	List 1000
Dominion, Black	22.00	21.16
Winchester, Black	11.00	24.20

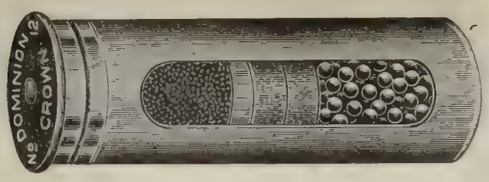
Centre Fire.
Adapted to S. & W., Colt, and other revolvers; 50 in a box.

.38 SMITH & WESSON, C. F.

	Mfs. Std. list.	List 1000
Dominion, Black	28.00	26.88
Winchester, Black	14.00	30.80

Centre Fire.
Adapted to S. & W., Colt, and other revolvers; 50 in a box.

LOADED PAPER SHOT GUN SHELLS



CROWN

Black Powder; soft shot; red color paper with brass head; loaded with Snapshot powder; packed 25 in a box, 500 in a case.

"CROWN" 10 GAUGE; SOFT SHOT

Number	Size Shot	Powder, drams	Shot, ozs.	List. Mfs. Std.	List 1000
CV-6	6	4¼	1¼	90.50	72.40
CV-5	5	4¼	1¼	90.50	72.40
CV-4	4	4¼	1¼	90.50	72.40
CV-3	3	4¼	1¼	90.50	72.40

"CROWN" 12 GAUGE; SOFT SHOT

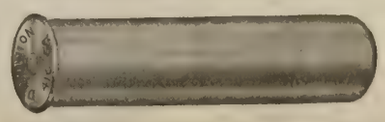
Number	Size Shot	Powder, drams	Shot, ozs.	Mfs. Std. List.	List 1000
CJ-8	8	3¼	1⅛	78.50	62.80
CJ-7	7	3¼	1⅛	78.50	62.80
CJ-6	6	3¼	1⅛	78.50	62.80
CJ-5	5	3¼	1⅛	78.50	62.80
CJ-4	4	3¼	1⅛	78.50	62.80
CJ-3	3	3¼	1⅛	78.50	62.80
CJ-2	2	3¼	1⅛	78.50	62.80
CJ-1	1	3¼	1⅛	78.50	62.80
CJ-BB	BB	3¼	1⅛	84.50	67.60
CJ-SG	SG	3¼	1⅛	84.50	67.60
CJ-SSG	SSG	3¼	1⅛	84.50	67.60

"CROWN" 16 GAUGE; SOFT SHOT

Number	Size Shot	Powder, drams	Shot, ozs.	Mfs. Std. List.	List 1000
CB-6	6	2¾	1	77.00	61.60
CB-5	5	2¾	1	77.00	61.60
CB-4	4	2¾	1	77.00	61.60
CB-3	3	2¾	1	77.00	61.60
CB-2	2	2¾	1	77.00	61.60
CB-1	1	2¾	1	77.00	61.60
CB-BB	BB	2¾	1	83.00	66.40

"CROWN" 20 GAUGE; SOFT SHOT

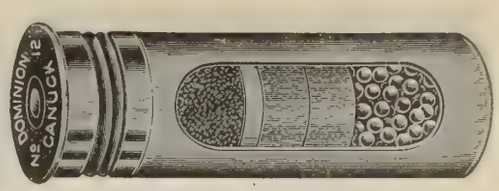
Number	Size Shot	Powder, drams	Shot, ozs.	Mfs. Std. List.	List 1000
CW-6	6	2½	7/8	72.50	58.00
CW-5	5	2½	7/8	72.50	58.00
CW-4	4	2½	7/8	72.50	58.00
CW-3	3	2½	7/8	72.50	58.00
CW-2	2	2½	7/8	72.50	58.00



410 GAUGE; BRASS; SMOKELESS

Size 4 Shot. Mfs. Std. List 61.00. List per 1000 ..... 58.56
Size 6 Shot. Mfs. Std. List 61.00. List per 1000 ..... 58.56
Size 7½ Shot. Mfs. Std. List 61.00. List per 1000 ..... 58.56

A full length brass shell especially adapted for ladies' or taxidermists' use; length of case, 2 inches; packed 25 in a box; 1/2 thousand in a case.



"CANUCK"

Smokeless Powder, of different grades as listed below; chilled shot; red color paper with medium high brass base and steel reinforced head; packed 25 in a box, 500 in a case.

"CANUCK" 10 GAUGE, Dupont Bulk Powder; Chilled Shot.

Number	Size Shot	Powder, drams	Shot, ozs.	Mfs. Std. List.	List 1000
DSO-6	6	4	1¼	121.50	92.36
DSO-5	5	4	1¼	121.50	92.36
DSO-4	4	4	1¼	121.50	92.36

"CANUCK" 12 GAUGE, Dupont Bulk Powder; Chilled Shot.

Number	Size Shot	Powder, drams	Shot, ozs.	Mfs. Std. List.	List 1000
DA-6	6	3¼	1⅛	104.50	79.44
DA-5	5	3¼	1⅛	104.50	79.44
DA-4	4	3¼	1⅛	104.50	79.44
DE-7½	7½	3	1¼	105.50	84.40

DE:—Trap Load.

"CANUCK" 12 GAUGE, Dupont Bulk Powder; Chilled Shot.

Number	Size Shot	Powder, drams	Shot, ozs.	Mfs. Std. List.	List 1000
DS-8	8	3½	1⅛	107.00	81.32
DS-7	7	3½	1⅛	107.00	81.32
DS-6	6	3½	1⅛	107.00	81.32
DS-5	5	3½	1⅛	107.00	81.32
DS-4	4	3½	1⅛	107.00	81.32
DS-3	3	3½	1⅛	107.00	81.32
DS-2	2	3½	1⅛	107.00	81.32
DS-1	1	3½	1⅛	107.00	81.32

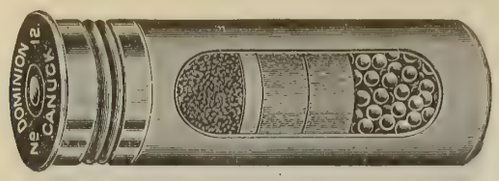
"CANUCK" 12 GAUGE, Ballistite Powder, Chilled Shot.

Number	Size Shot	Powder, grains	Shot, ozs.	Mfs. Std. List.	List 1000
DF-8	8	26	1⅛	104.50	79.44
DF-7	7	26	1⅛	104.50	79.44
DF-6	6	26	1⅛	104.50	79.44
DF-5	5	26	1⅛	104.50	79.44
DF-4	4	26	1⅛	104.50	79.44
DF-3	3	26	1⅛	104.50	79.44
DF-2	2	26	1⅛	104.50	79.44
DF-1	1	26	1⅛	104.50	79.44
DF-BB	BB	26	1⅛	104.50	79.44
DF-SSG	SSG	26	1⅛	104.50	79.44

"CANUCK" 12 GAUGE, Ballistite Powder, Chilled Shot.

Number	Size Shot	Powder, grains	Shot, ozs.	Mfs. Std. List.	List 1000
DN-8	8	28	1⅛	107.00	81.32
DN-7	7	28	1⅛	107.00	81.32
DN-6	6	28	1⅛	107.00	81.32
DN-5	5	28	1⅛	107.00	81.32
DN-4	4	28	1⅛	107.00	81.32
DN-3	3	28	1⅛	107.00	81.32
DN-2	2	28	1⅛	107.00	81.32
DN-1	1	28	1⅛	107.00	81.32
DN-AAA	AAA	28	1⅛	107.00	81.32

LOADED PAPER SHOT GUN SHELLS (Continued).



"CANUCK" 16 GAUGE, Ballistite Powder, Chilled Shot.

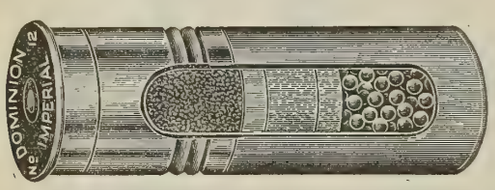
Number	Size Shot	Powder, grains	Shot, ozs.	Mfs. Std. List.	List 1000
DU-6	6	20	1	96.00	72.96
DU-5	5	20	1	96.00	72.96
DU-4	4	20	1	96.00	72.96
DU-3	3	20	1	96.00	72.96
DU-2	2	20	1	96.00	72.96
DU-1	1	20	1	96.00	72.96
DU-BB	BB	20	1	96.00	72.96
DU-SSG	SSG	20	1	96.00	72.96

"CANUCK" 20 GAUGE, Ballistite Powder, Chilled Shot.

Number	Size Shot	Powder, grains	Shot, ozs.	Mfs. Std. List.	List 1000
DX-6	6	18	7/8	95.00	72.22
DX-5	5	18	7/8	95.00	72.22
DX-4	4	18	7/8	95.00	72.22

"CANUCK" 28 GAUGE, Dupont Bulk Powder, Chilled Shot.

Number	Size Shot	Powder, grains	Shot, ozs.	Mfs. Std. List.	List 1000
DZA-6	6	1¾	5/8	102.00	77.52



"IMPERIAL" LONG RANGE

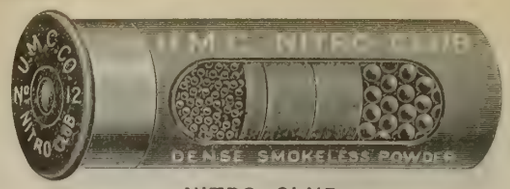
Smokeless; the best type of shell on the market; primed with Dominion No. 3B. Primer; reinforced head; high, knurled brass base; red paper waterproof construction; particularly designed to meet the requirements of those who want a shell that will give absolute satisfaction; packed 25 in a box, 500 in a case.

"IMPERIAL" 12 GAUGE; Ballistite Powder, Chilled Shot.

Number	Size shot.	Powder, grains.	Shot, Oz.	Mfs. Std. List.	List 1000
IO-2	2	28	1¼	122.50	93.10
IO-3	3	28	1¼	122.50	93.10
IO-4	4	28	1¼	122.50	93.10
IO-5	5	28	1¼	122.50	93.10
IO-6	6	28	1¼	122.50	93.10

"IMPERIAL" 12 GAUGE; Dupont Bulk Powder, Chilled Shot.

Number	Size shot.	Powder, drams.	Shot, Oz.	Mfs. Std. List.	List 1000
IL-2	2	3½	1¼	122.50	93.10
IL-3	3	3½	1¼	122.50	93.10
IL-4	4	3½	1¼	122.50	93.10
IL-5	5	3½	1¼	122.50	93.10
IL-6	6	3½	1¼	122.50	93.10



NITRO CLUB.

Smokeless; steel lined, paper cover; wet-proof; brass head; chilled shot (except BB. and SSG.) length 2⅝ inches; packed 25 in a box, 1/2 thousand in a case.

NITRO CLUB 12 GAUGE, Ballistite Powder, Chilled Shot.

Number	Size shot	Powder grains	shot ozs.	Mfs Std. List	List 1000
X9-2	2	26	1⅛	52.25	104.50
X9-3	3	26	1⅛	52.25	104.50
X9-4	4	26	1⅛	52.25	104.50
X9-5	5	26	1⅛	52.25	104.50
X9-6	6	26	1⅛	52.25	104.50
X9-7	7	26	1⅛	52.25	104.50
X9-8	8	26	1⅛	52.25	104.50
X9-BB	BB	26	1⅛	52.25	104.50
X9-SSG	SSG	26	1⅛	52.25	104.50

NITRO CLUB 16 GAUGE, Ballistite Powder, Chilled Shot.

Number	Size shot	Powder grains	Shot ozs.	Mfs. Std. List	List 1000
X20-4	4	20	1	48.00	96.00
X20-5	5	20	1	48.00	96.00
X20-6	6	20	1	48.00	96.00
X20-7	7	20	1	48.00	96.00

NITRO CLUB 20 GAUGE, Ballistite Powder, Chilled Shot.

Number	Size Shot	Powder grains	Shot ozs.	Mfs. Std. List	List 1000
X21-4	4	16	¾	44.50	89.00
X21-6	6	16	¾	44.50	89.00

STANDARD LOADS OF SHOT GUN POWDERS

Kind of Game	DUPONT (Bulk) SMOKELESS						
	12 Gauge oz	Drams	16 Gauge oz	Drams	20 Gauge oz	Drams	Shot Sizes All Gauges
Turkey							*
Geese	3½	1⅛	2¾	1	2½	7/8	2 & 4
Brant							
Large Ducks	3¼	1⅛	2¾	1	2½	7/8	4 in flight 6 over decoys
Medium Ducks							
Grouse							
Prairie Chicken	3¼	1⅛	2½	1	2¼	3/4	6
Squirrels							
Rabbits	3	1	2½	1	2¼	3/4	6
Small Ducks							
Pheasants							
Pigeons							
Doves	3¼	1⅛	2½	1	2¼	3/4	7½
Quail	3	1	2½	1	2¼	3/4	8
Snipe							
Woodcock		or					
Shore Birds		1⅛					
Reed Birds	3	1	2½	1	2¼	3/4	10
Trapshooting	3	1¼	2½	1	2¼	3/4	7½

BALLISTITE (Dense) SMOKELESS

If BALLISTITE (dense) Powder is desired order by grains.
A comparison follows of Bulk and Dense Loads.

Drams		Grains	Drams		Grains
3½	equivalent to	28	2½	equivalent to	20
3¼	" "	26	2¼	" "	18
3	" "	24	2	" "	16
2¾	" "	22	1¾	" "	14

* In 12-Gauge loads only, use No. 2 Shot.

EMPTY PAPER SHOT GUN SHELLS

"CROWN"

12 Gauge. List per 1000 ..... 27.84

For Black Powder.

2⅝ inches long (Use Dominion Primer No. 2); average weight per thousand, 15 pounds.

25 in a box, 1 thousand in a case.
Manufacturers Standard list 29.00.

CANUCK

12 Gauge. List per 1000 ..... 36.48

For Smokeless Powder.

Medium high brass base with steel reinforced head; No. 3B Dominion Primer; 2⅝ inches long; average weight per thousand, 20 pounds.

25 in a box, 1 thousand in a case.
Manufacturers Standard list 38.00.

EMPTY BRASS SHOT GUN SHELLS

DOMINION.

Gauge	Length, ins.	Wt. per 100, lbs.	Mfs. Std. List	List 1000
10	2⅞	6¼	200.00	192.00
16	2½	4½	200.00	192.00

For black powder; made of superior material; may be reloaded many times; use No. 2 Dominion Primer when reloading.
1/40 thousand (25) in a box.

GUN WADS

WINCHESTER.

Black Edge:—

12 Gauge. List per 1,000 ..... 8.00

1/4 inch; superior elastic felt; chemically prepared.

1/4 thousand in a box.

PERCUSSION or GUN CAPS

E. B.

Size 11. List per 1,000 ..... 4.20

Size 12. List per 1,000 ..... 4.20

Centre Fire.

Foil lined; ground edge; waterproof.
1/10 thousand in a box.

PRIMERS

Packed only in divisional explosive proof boxes of 100 each.

DOMINION.

No. 1. Copper. List per 1,000 ..... 6.90

For Black and Smokeless Pistol Cartridges.

1/10 thousand in a box.

No. 1½. Copper. List per 1,000 ..... 6.90

For Black and Smokeless Cartridges, used in pistols as well as rifles.

1/10 thousand in a box.

No. 2. Copper. List per 1,000 ..... 6.90

For Black Powder Shot Shells and Revolver Cartridges taking large Primer.

1/10 thousand in a box.

No. 2½. Copper. List per 1,000 ..... 6.90

For Rifle Cartridges.

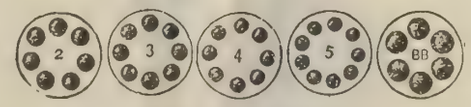
1/10 thousand in a box.

No. 3B. Copper. List per 1,000 ..... 10.00

For smokeless shot shells with battery cups; all Dominion smokeless shot shells are primed with this improved primer.

1/10 thousand in a box.

COMMON SHOT



Drop or Soft Shot.

No.	2	3	4	5	BB
List 100 lbs.					
5 pound bags ..			30.00		
25 pound bags ..			29.00		
Pellets to Oz. ..	82	98	125	157	49

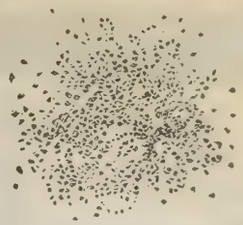
In 5 and 25 pound cotton bags as above.
Sold only in full bags.

Chilled Shot.

No. 4. List per 100 pounds 32.00

In 25 pound bags.
Sold only in full bags.

GUN POWDER



FFG. BLACK.

1 Pound Tins. List each 1.14

Snapshot sporting; screw top tin cans.
24 Tins in a case.

Note:—Powder cannot be sent by mail or express; it can be shipped by frieight only.

100 in a box.

DETONATORS

No. 6. List per 1,000 ..... 37.00

Packed 1/10 thousand in a tin box.

Note:—Detonators cannot be sent by mail or express; they can be shipped by freight only.

SAFETY FUSE

"Beaver." List per 1,000 feet 26.00

White countered, gutta percha cover; water-proof; 3/16 inch diameter; average Weight per 100 feet. 1⅝ pounds.
100 feet in a package.

RIFLE MAGAZINES

WINCHESTER.

.32 Calibre. List each 7.20

.35 Calibre. List each 7.20

For Winchester Self-Loading Rifles.

Blued steel; 5 shot capacity; complete ready to load and insert in the rifle.
Open stock.

SUPPLEMENTAL CHAMBERS

WINCHESTER.

.30 Winchester. List each 1.20
For use with .32 Smith & Wesson cartridges.

.303 Savage. List each 1.20
For use with .32 Smith & Wesson cartridges.

.303 British. List each 1.20
For use with .32 long and short Colt cartridges.

.32 Winchester Special. List each 1.20
For use with .32 long and short Colt cartridges.

.32-40. List each 1.20
For use with .32 long and short Colt cartridges.

This handy and simple device permits the use of popular pistol cartridges in high power rifles chambered in the above mentioned calibres. The use of smokeless powder cartridges is recommended, as black powder cartridges foul barrels having such a twist as the above.
Open stock.

GUN AND RIFLE SIGHTS

No. 4. List each 3.00
Ivory Hunting Front Sight.
For Winchester rifle, model 1894, 30-30 calibre.
Blued steel; well protected bead; gives clear definition.
1 in an envelope.

No. 4 Standard. List each 3.00
Ivory Hunting Front Sight.
For the following rifles which we stock: Winchester 1902; 1904; 1892; 1894—32-40, 38-55, 32 special.
Blued steel; well protected bead; gives clear definition.
1 in an envelope.

No. 3. List each 2.00
Ivory Bead Front Sight.
For Winchester Rifle, Model 1894, 30-30 calibre.
Blued steel with clear white bead which can be distinctly seen against any object.
1 in an envelope.

No. 3 Standard. List each 2.00
Ivory Bead Front Sight.
For the following rifles which we stock: Winchester 1902; 1904; 1892; 1894—32-40, 38-55, .32 special.
Blued steel with clear white bead which can be distinctly seen against any object.
1 in an envelope.

GUN AND RIFLE SIGHTS

Combination Ivory Front.

No. 5. .30/30. List each 3.50
For Winchester Model 1894, 30-30.

No. 5. .32S. List each 3.50
For Winchester Model 1894, .32 Special calibre.

Blued steel with globe and open bead sight; can be used for combination and target work; instantly adjustable; an excellent sight for "all-round" shooting.
1 in an envelope.

Combination Rear Sights.

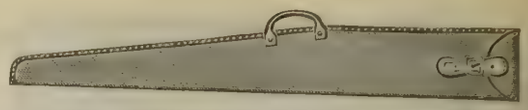
DA. No. 1. List each 8.00
For Winchester Model 1894, 30-30, 32 special.

No. N. List each 8.00
For Winchester Model 1886, .33 calibre.

Blued steel; quick and easy adjusting; knurled sleeve; graduated stem; combined small and large apertures; stem can be thrown back for convenience in carrying.
1 in an envelope.

No. W. S. List each 8.00
Interchangeable and readily mounted on Winchester Models 1890-1906.
Blued steel; quick and easy adjusting; knurled sleeve; graduated stem; combined small and large apertures; stem can be thrown back for convenience in carrying.
1 in an envelope.

RIFLE COVERS



No. 14 x 26 inch. List per dozen 25.70
Heavy tan waterproof canvas; white lining, leather bound; with handle.
Open stock.

"No. 20."

20 inch. List per dozen 31.20
24 inch. List per dozen 33.60
26 inch. List per dozen 33.60
Heavy tan waterproof canvas; white lining; leather bound and reinforced ends; with sling.
Open stock.

GUN COVERS

No. 14 x 30 inches. List per dozen 25.70
Heavy tan waterproof canvas, lined; leather bound; with handle.
Open stock.

No. 20 x 30 inch. List per dozen 36.00
Heavy tan waterproof canvas; lined; leather bound and reinforced ends; with sling.
Open stock.

No. 23 x 30. List per dozen 25.70
No. 23 x 32 inch. List per dozen 25.70
Heavy tan waterproof canvas; white lining; leather bound; with handle.
Open stock.

No. 24 x 30 inch. List per dozen 33.60
No. 24 x 32 inch. List per dozen 33.60
Heavy tan waterproof canvas; white lining; leather bound; leather end; with handle.
Open stock.

H. S. HOWLAND, SONS & CO., LIMITED, TORONTO, CANADA.

GUN SWABS

No. 202. List per dozen 2.60

White wool swab; brass shank threaded; for 8 to 28 gauge; average weight per dozen, 1/2 pound.

3 Dozen in a box.

NOTE:—Correcting Gun Swab of the same number shown on page 409.

CARTRIDGE BAGS

No. 1. List per dozen **16.80**

Waterproof canvas; lined; leather bound; 10½ inches deep, 12 inches wide; with 3/4 inch leather sling strap.

Open stock.

CARTRIDGE BELTS

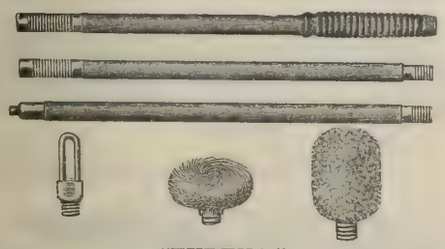
No. 2. List per dozen **31.20**

12 Gauge.

Heavy russet leather; 1¾ inches wide; sewed leather loops; rivetted leather adjustable sling, shoulder strap and buckle billet; brassed buckles; copper rivets; holds 25 shells.

Open stock.

JOINTED CLEANING RODS



"EUREKA."

No. 95—

10 Gauge. List per dozen **7.20**

12 Gauge. List per dozen **7.20**

16 Gauge. List per dozen **7.20**

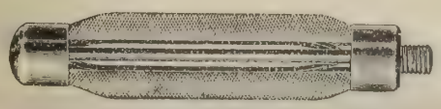
20 Gauge. List per dozen **7.20**

410 Gauge. List per dozen **7.20**

Three piece rod with brass trimmings; wool swab; wire scratch brush; and wiper. Each set in an envelope.

1 dozen in a box.

GUN CLEANERS



"TOMLINSON."

No. 400—

12 Gauge. List per dozen **6.00**

16 Gauge. List per dozen **6.00**

From 8 to 20 Gauge.

Fits all standard cleaning rods; brass wire gauze cloth on steel forms; steel springs to force cleaning surfaces into all parts of gun barrel; nickel plated ferrules, will not scratch or injure the finest barrels. An extra pair of pads with each cleaner.

1 dozen in a box.

RIFLE CLEANING RODS

No. 510. List per dozen ..... **.96**

22 Calibre.

Plain steel rod 1/8 x 28 inches; with slit at one end for cloth.

Open stock.

No. 505—.22 Calibre. List per dozen **1.00**
No. 506—.32 Calibre. List per dozen **1.00**
No. 507—.38 Calibre. List per dozen **1.00**

Twisted coppered wire with ringed handle; with bristles twisted into the rod; length 27 inches.

Open stock.

No. 139.

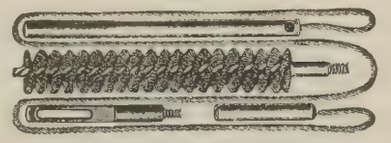
.22 Calibre. List per dozen **8.00**
.25 Calibre. List per dozen **8.00**
.30 & .32 Calibre. List per dozen **8.00**

Jointed.

3/16 inch solid brass, four-joint rod; revolving hardwood handle; end knobbed and slotted, also threaded to take standard brass and bristle brushes; 37 inches long over all; average weight per dozen, 4 pounds. Each in a bag.

1 dozen in a box.

RIFLE CLEANERS



U. S. GOVERNMENT.

No. 200—

.22 Calibre. List per dozen **4.80**
.25 Calibre. List per dozen **4.80**
.30 Calibre. List per dozen **4.80**
.32 Calibre. List per dozen **4.80**
.38 Calibre. List per dozen **4.80**
.44 Calibre. List per dozen **4.80**

A very reliable cleaner; it consists of bristle brush, slotted wiper, detachable cord, weight for dropping through the barrel, and separate slotted wiper; 1 set in a canvas pocket.

1 dozen in a box.

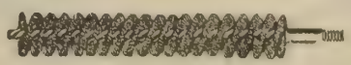
RIFLE CLEANING BRUSHES

No. 560.

.22 Calibre. List per dozen **2.00**
.32 Calibre. List per dozen **2.00**

Stiff bristles; twisted in double brass wire; threaded end; 3¼ inches long over all.

1 dozen in a box.



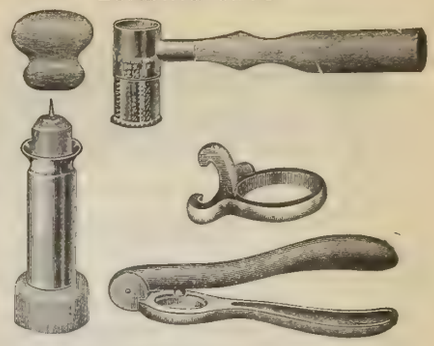
No. 570.

.22 Calibre. List per dozen **2.00**
.32 Calibre. List per dozen **2.00**

Stiff brass wire bristles; twisted in double brass wire; threaded end; length over all, 3¾ inches.

1 dozen in a box.

LOADING SETS



"EUREKA."

No. 159. List per dozen sets **12.00**

12 Gauge.

Contains loader, recapper, shell extractor, graduated shot and powder measure.

1 set in a box.

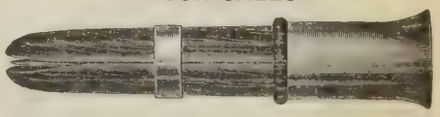
GUN SWABS

No. 202—E95. List per dozen **2.00**

Double slotted brass shank flannel wipers; for 8 to 28 gauge.

3 dozen in a box.

DUCK CALLS



No. 760. List per dozen **10.80**

Cocobolo wood mouthpiece; nickel plated horn; length over all, 4½ inches.

1 dozen in a box.

CROW CALLS

"Ditto." List per dozen **28.80**

Red cedar shell and mouth piece, varnished; brass reed; empire silver ferrule; length 4 inches; the most effective means of inducing crows within gun range.

1 dozen in a box.

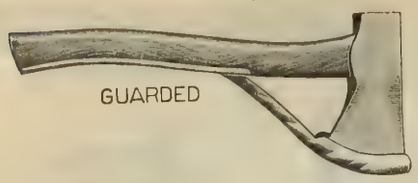
ECHO CALLS

No. 620. List per dozen **4.80**

Steel body; nickel plated; extension lip.

1 dozen in a box.

SPORTSMEN'S AXES



MARBLES.

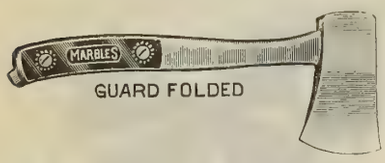
No. 5. List per dozen 43.20

Safety Pocket Axe.

Hickory Handle; Guarded Blade.

Tool steel blade (2⅜ x 4 11/16 inches) carefully tempered, sharpened and polished; thoroughly seasoned selected hickory handle 10½ inches long; nickel plated, spring hinge guard lined with lead to preserve the cutting edge, folds back into the handle when axe is in use; weight each, 16 ounces.

1/6 dozen in a box.



MARBLES.

No. 2. List per dozen 69.60

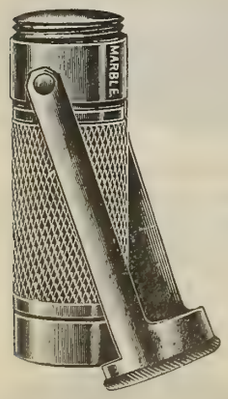
Safety Pocket Axe.

Metal Handle; Guarded Blade.

Tool steel blade (2⅜ x 4 inches) carefully tempered, sharpened and polished; drop-forged metal handle (11 inches long) with hard rubber side plates; nickel plated, spring hinged guard lined with lead to preserve the cutting edge, folds back into the handle when axe is in use; weight each, 20 ounces.

1/6 dozen in a box.

MATCH BOXES



MARBLE'S.

No. 181. List per dozen 13.20

Nickel-Plated; Waterproof.

A water and moisture proof box which can be quickly opened and closed in the dark; seamless drawn brass tube with threaded base, cap, arms and collar; knurled body; rubber gasket; size 2⅞ x 7/8 inches; weight per dozen, about 7/8 pound.

1/12 dozen in a box.

CANOE KNIVES

MARBLE'S.

No. 51. List per dozen 54.00

4½-inch Blade; Leather Handle and Sheath.

A short, stout knife of fine quality; polished clip point, hollowed blade with bevelled edge, forged from razor steel, hand tempered and tested; 3¼ inch leather handle with colored hard fibre and brass washers that are a drawing fit on the heavy tang; heavy russet leather sheath with point protector and belt loop; weight each (without sheath), 4 ounces.

1/2 dozen in a box.

GUN OIL

MARBLE'S NITRO-SOLVENT.

No. 544. List per dozen 13.20

6-Ounce Cans.

A specially prepared oil that will quickly dissolve the residue of all black and smokeless powders, including Cordite; stops corrosive action; a perfect lubdicant; for cleaning and polishing furniture, etc.; will not gum; average weight per dozen, 6 pounds.

1/2 dozen in a box.

SLEIGHS

Nos.	153	151	152
List dozen	9.50	13.00	19.50
Length, inches	24	30	36
Width, inches	10	10	11

Round Spring Steel Shoes.

Strongly braced 3-slat hardwood seat and runners; one hand hole on each side; well varnished, with runners striped and finished natural; oversize round spring steel shoes with drawing loops; height, about 4 inches.

1/6 dozen wired together.

SLEIGHS

No. 155. List per dozen 21.30

High Pointed Curved Runners.

Round Spring Steel Shoes.

Strongly braced 3-slat hardwood seat and runners; two hand holes on each side; well varnished, with runners striped and finished natural; runners point about 2½ inches above seat; over-size shoes with drawing loops; length 36 inches; width 11 inches; height of seat, about 4 inches.

1/6 dozen wired together.

Nos.	156	157
List dozen	26.40	32.00
Length, inches	42	48
Width, inches	12	12

Round Spring Steel Shoes.

Strongly braced 3-slat hardwood seat and runners; two hand holes on each side; well varnished with runners striped and finished natural; over-size shoes with drawing loops; height, about 4 inches.

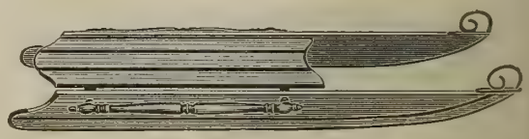
1/6 dozen wired together.

No. 146. List per dozen 30.00

Round Spring Steel Shoes.

Braced 3-slat hardwood seat and runners; hand turned rail on each side; nicely varnished with runners striped and finished natural; heavy round shoes with drawing loops; length 42 inches; width 12 inches; height, about 4 inches.

1/6 dozen wired together.



No. 147. List per dozen 39.00

Round Spring Steel Shoes, Scrolled.

Firmly braced 3-slat hardwood seat and runners; hand turned rail on each side; well varnished, with runners striped and finished natural; heavy round steel shoes turned in a scroll at the points; length 48 inches; width 12 inches; height, about 4 inches.

1/6 dozen wired together.

SLEIGHS

No. 160. List per dozen 33.00

2 Knees.

Round Spring Steel Shoes.

3-slat hardwood seat, knees and open runners with wide top; firmly screwed, nailed and braced; over-size shoes with drawing loops; length 30 inches; width 13 inches; height, about 5 inches; well varnished and decorated.

1/6 dozen wired together.

No. 162. List per dozen 39.00

3 Knees.

Round Spring Steel Shoes.

3-slat hardwood seat, knees and heavy open runners with wide top; securely screwed, nailed and braced; well varnished and decorated; heavy shoes with drawing loops; length 36 inches; width 14 inches; height, about 5 inches.

1/6 dozen wired together.

FLEXIBLE COASTER.

Nos.	185	186	187
List dozen	38.54	44.46	56.32
Length, inches	33	37	41
Width, inches	12	12	12
Height, inches	6	6	6
App. wt. doz., lbs.	100	110	120

Steering Sled.

A general favorite; answers promptly to the steering gear without moving the top; selected hardwood wood parts with 3-slat top; well varnished and finished natural; tee steel shoes braced with strong knees and finished in red enamel; sturdily made throughout.

1/6 dozen wired together.

No. 10. List per dozen 14.90

Girls "Daisy."

Well braced hardwood; red painted and decorated seat, clear varnished side rails, knees and runners; flat steel shoes. Size:—28 inches long, 11 inches wide, 7 inches high; average weight per dozen, 42 pounds.

1/6 dozen in a bundle.

No. 12. List per dozen 16.30

Girls "Leader."

Well braced hardwood; red painted and decorated seat; clear varnished side rails; knees and runners; two bent knees; flat steel shoes.
Size:—28 inches long, 11 inches wide, 7 inches high; average weight per dozen, 42 pounds.

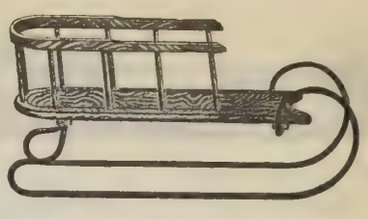
1/6 dozen in a bundle.

No. 14. List per dozen 28.80

Girls "Nonpariel."

Size: Length, 36 inches; height, 8 ins.; width, 12 inches; made of rock elm; seat board painted red, decorated and striped; three bent wood knees; cast iron swan's head leaders; varnished on the natural finish wood; flat steel shoes; approximate weight per dozen, 60 pounds.

1/6 dozen in a bundle.

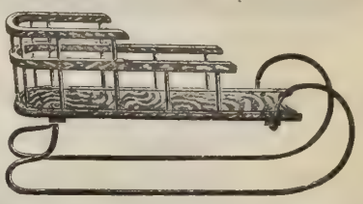


No. 120. List per dozen 38.40

Girls; Single Rail.

Hardwood seat and rail oiled and varnished natural; 7/16 inch round steel shoes; seat 24 inches long, 12 inches wide, 8 inches high; rail 5½ inches high; average weight per dozen, 141 pounds.

1/6 dozen in a bundle.



No. 125. List per dozen 42.00

Girls; Double Rail.

Hardwood seat and rail, oiled and varnished natural; strong shoes of 7/16 inch round steel, japanned; seat 24 inches long, 12 inches wide, 8 inches high; rail 9¼ inches high at back; average weight per dozen, 142 pounds.

1/6 dozen in a bundle.

STEEL BOBS

For Coaster Wagons.

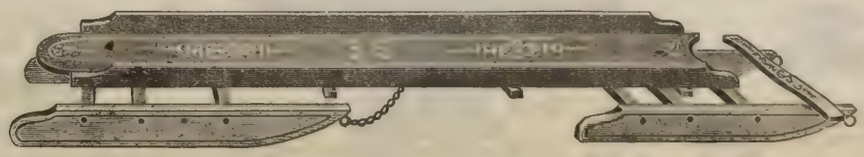
No. 3. List per dozen sets 40.40

Bobs Only; without Wagon Top.

With these "bobs" a coaster wagon can be made into a bob sled by removing the wheels and using this all steel sled gearing; runners are 5/8-inch tee steel, and the whole finished in red enamel; approximate weight per dozen, 80 pounds.

1/2 dozen sets in a bundle.

BOB SLEIGHS



No.	1	2
List dozen	148.20	189.70
Length, inches	67	93
Width, inches	14½	16½
App. weight each, pounds	20	30

Round Spring Steel Shoes.

Hardwood runners, oiled, varnished, striped and finished natural; heavy spring shoes; seat supports firmly bolted to strong side rails; top and side rails striped and decorated; a strong and well finished sleigh which will not easily over turn.

Open stock.

ICE SKATES

In Ordering, Care Should be Taken to Specify Sizes Required.

No. 15. List per pair 1.30
Sizes:— 8, 8½, 9, 9½, 10, 10½, 11.
Polished.
Cast steel, straight blade 7/32 inch wide; cold rolled steel top plates firmly bracketed; double end; with puck stop; average weight per pair, 1½ pounds.

STARR.

No. 153. "Demon." List per pair 1.76
Sizes: 7, 7½, 8, 8½, 9, 9½, 10, 10½, 11.
Polished.
Good quality tempered straight steel blade 5/8 x 1/4 inch; cold rolled steel plates; double end; approximate average weight per pair, 1¾ pounds.
Mfs. Std. list 1.25.

STARR.

No. 150. "Demon." List per pair 2.10
Sizes: 7, 7½, 8, 8½, 9, 9½, 10, 10½, 11, 11½.
Nickel Plated.
Nickel plated blade; polished top. An ideal inexpensive skate with new two-piece front and two-piece heel; good quality tempered straight steel blade 7/32 x 5/8 inch; steel plates; double end.
Manufacturers Standard List 1.50.

STARR.

No. 154. "Bulldog." List per pair 2.46
Sizes: 7, 7½, 8, 8½, 9, 9½, 10, 10½, 11, 11½.
Nickel plated; good quality tempered straight steel blade 5/8 x 1/4 inch; cold rolled steel plates; double end; puck stop; approximate average weight per pair, 1¾ pounds.
Manufacturers Standard list 1.75.

STARR.

No. 157. Ladies "Beaver." List pair 3.50
Sizes: 8, 8½, 9, 9½, 10.
Nickel Plated.
Best quality welded and tempered nickel plated curved steel blade 3/16 x 11/16 inch; cold rolled polished steel plates; bracketed; approximate weight per pair, 1½ pounds. A good seller.
Manufacturers Standard list 2.50.

STARR.

No. 173. "Climax." List per pair 4.90
Sizes: 9, 9½, 10, 10½, 11, 11½.
Cold rolled steel tops; solid cast steel runners hardened; excellently designed; without puck stop.
Manufacturers Standard list 3.50.

STARR.

No. 176. "Scotia." List per pair 5.26
Sizes: 9, 9½, 10, 10½, 11, 11½.
Best quality highly tempered nickel plated straight steel blade 3/16 x 9/16 inch; bracketed toe plate and specially constructed heel plate of polished cold rolled steel; double end; puck stop; approximate weight per pair, 1¾ pounds.
Manufacturers Standard list 3.75.

STARR.

No. 193 "Dreadnought." List pair 5.26
Sizes: 9, 9½, 10, 10½, 11, 11½.
Nickel plated on copper blade; polished top; welded hand tempered; best quality straight steel blade 3/16 x 5/8 inch; bracketed toe plate and specially constructed two-piece heel plate of polished cold rolled steel; double end.
Manufacturers Standard list, 3.75.

STARR.

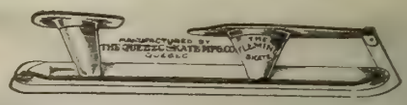
No. 129. "Mic-Mac." List per pair 6.30
Sizes:—10, 10½, 11, 11½, 12.
Best quality welded hand tempered nickel plated straight steel blades 7-32 x 9-16 inch; bracketed toe plate and specially constructed heel plate of polished cold rolled steel; double end; webbed reinforcement; approximate weight per pair, 1¾ pounds.
Manufacturers Standard list 4.50.

STARR.

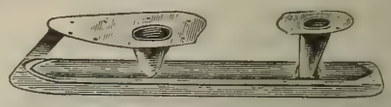
No. 189. "Regal." List pair 6.30
Sizes: 10, 10½, 11, 11½.
Featherweight.
A fast and light skate of great strength. A wonderful skate for hockey or rink use. The runners are made from special formula steel, hand tempered by Starr secret process. The whole skate is heavily nickel plated on copper, and highly polished all over.
Manufacturers Standard list 4.50.
All 1 Pair in a box.

STARR.

No. 181. "Velox." List per pair 8.40
Sizes: .10, 10½, 11, 11½.
Best quality hand tempered nickel plated bevelled straight steel blade 3/16 x 1/2 inch; bracketed toe plate and specially constructed heel plate of nickel plated cold rolled steel; double end; two standard supports; approximate average weight per pair, 1¾ pounds.
Manufacturers Standard list 6.00.

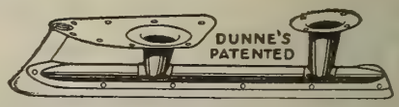


"Fleming." List per pair 6.00
Sizes:—10, 10½, 11.
Round Tube; Aluminum Finish.
A strong tube skate of moderate price; highest grade tool steel blades, 1/8 inch wide, specially spring tempered; strong, light, round tubes; drawn steel cups, reinforced and flanged; single end style.



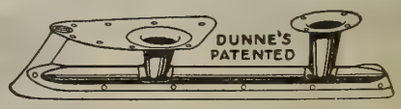
"DUNNE'S" MAKE.

"Hockey King." List per pair 7.50
Sizes: 9½, 10, 10½, 11, 11½.
Round Tube; Full Nickel Plated.
Designed to meet the demand for a moderate priced tube skate; hard cold rolled steel cups, plates and tube; oil tempered knife steel blade 3/32 inch thick; light, strong and well finished; average weight per pair, 1⅝ pounds.



"DUNNE'S" ROUND TUBE HOCKEY

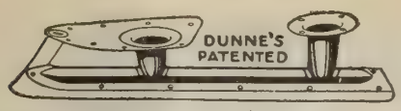
Ladies'. List per pair 9.00
Sizes: 9L, 9½L, 10L.
The "Dunne" Tube Skates combine light weight and strength, and are well adapted for hockey; round tubes of highly tempered steel; cold rolled steel cups and plates; blades are of English knife steel; nickel plated; all parts soldered. Blades 1/8-inch wide.



"DUNNE'S" ROUND TUBE HOCKEY

Men's. List per pair 9.00
Sizes: 10M, 10½M, 11M, 11½M, 12M.
Strong, light and durable; a good hockey model; oil tempered steel blades; hard cold rolled steel cups and well flanged over the round tube; reinforced foot and heel plates; electro-plated, highly polished and buffed.

ICE SKATES



"DUNNE'S" DIAMOND TUBE HOCKEY.

Ladies. List per pair 10.50
Sizes: 9L, 9½L, 10L.

Single end, Hockey model; diamond shape tube; reinforced inside with a strip of hard cold rolled steel, gives extra strength; light and durable; oil tempered steel blades, 1/8 inch wide; seamless cups well flanged over tube and triple reinforced at foot and heel plates; electroplated, highly polished and buffed.

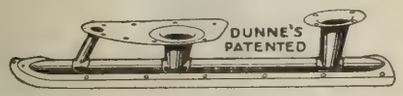
1 pair in a box.

"DUNNE'S" DIAMOND TUBE HOCKEY.

Mens. List per pair 10.50
Sizes: 10M, 10½M, 11M, 11½M, 12M.

Single end, Hockey model; diamond shape tube; reinforced inside with a strip of hard cold rolled steel, gives extra strength; light and durable; oil tempered steel blades, 1/8 inch wide; seamless cups well flanged over tube and triple reinforced at foot and heel plates; electroplated, highly polished and buffed.

1 pair in a box.



"DUNNE'S" ROUND TUBE RACING.

Ladies—
13 Inch Blade. List per pair 9.00
Sizes: 9L, 9½L, 10L.

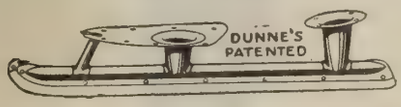
14 Inch Blade. List per pair 9.00
Size: 10L.

Mens—
14 Inch Blade. List per pair 9.00
Sizes: 10M, 10½M, 11M.

15 Inch Blade. List per pair 9.00
Size: 11M.

The same construction, material and finish as the Round Tube Hockey, but with 1/16 inch blades, (in lengths as above) and designed for fast skating; made light for speed or pleasure skating; electroplated and highly polished.

1 pair in a box.



"DUNNE'S" DIAMOND TUBE RACING.

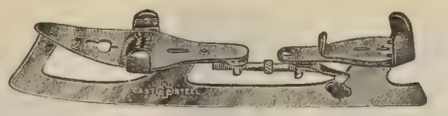
Ladies—
13 Inch Blade. List per pair 12.00
Sizes: 9L, 9½L, 10L.

Mens—
14 Inch Blade. List per pair 12.00
Sizes: 10M, 10½M, 11M.

The same construction, material and finish as the Diamond Tube Hockey, but with 1/16 inch blades (in lengths as above) reinforced diamond tubes; designed for fast skating; either speed or pleasure; electro-plated and highly polished

1 pair in a box.

SPRING ICE SKATES



No. 16. List per pair 1.80
Sizes:—8, 8½, 9, 9½, 10, 10½, 11.
Lever Clamp; Polished Finish.

Cast steel, rocker blades 3/16 inch wide; cold rolled steel plates and clamps; quickly and easily adjusted to ordinary boots; average weight per pair, 2⅛ pounds.

1 pair in a parcel.

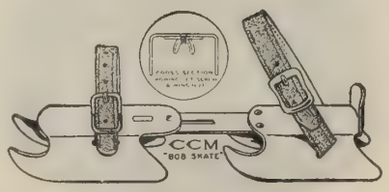
STARR.

No. 100. "Acme." List per pair 2.46
Lever Clamp; Natural Finish.
Sizes: 7, 7½, 8, 8½, 9, 9½, 10, 10½, 11, 11½, 12.

Made of the best selected cast steel rocker blades 1/4 inch wide; cold rolled steel plates and clamps; readily adjusted to ordinary boot; approximate average weight per pair, 2 pounds.

Manufacturers Standard list 1.75.
One pair in a package.

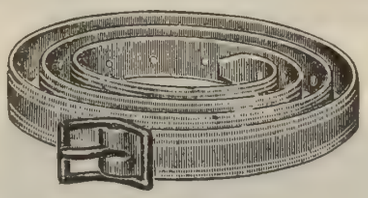
EXTENSION BOB SKATES



No. 30. List per pair ..... .70
Extends 6 to 8 inches; Aluminum Finish.
Cold rolled steel runners and tops; leather heel and toe straps; quickly adjusted by thumb screw under the skate; approximate weight per pair, 1¼ pounds.

1 pair in a box.

STRAPS FOR BOB SKATES

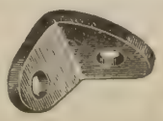


10-inch. List per dozen pairs 1.20
14-inch. List per dozen pairs 1.30

Fine leather stock; 1/2 inch wide; nickel plated buckle.

Open stock.

ICE SKATE BRACKETS

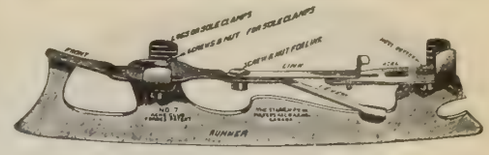


Right Hand Toe Brackets. List per dozen 1.20
Left Hand Toe Brackets. List per dozen 1.20
Right Hand Heel Brackets. List per dozen 1.20
Left Hand Heel Brackets. List per dozen 1.20

Bright cold rolled steel; punched for screws and bent to shape.

Open stock.

EXTRA PARTS FOR "ACME" SKATES



Parts	List dozen
Link Screws	.50
Link Nuts	.50
Lug Nuts	.50
Lug Screws	.50
3/4 inch Lugs	.80
7/8 inch Lugs	.80
1 inch Lugs	.80
1¼ inch Lugs	.80
1¾ inch Lugs	.80
3 inch Links	1.80
3¼ inch Links	1.80
3½ inch Links	1.80
Wrenches	.80

SKATE SCREWS—In Sets.

Round Head. List per carton 1.00
Bright.

Each set consists of sixteen 7/16 x 6 and eight 5/8 x 6, each set in a box.

12 boxes in a carton.

Oval Head. List per carton 1.00
Bright.

Each set consists of sixteen 3/8 x 6 and eight 5/8 x 6; each set in a box; average weight per carton, 3/4 pound.

12 boxes in a carton.
Sold only in full cartons.

TABLE GIVING COMPARATIVE SIZES OF SHOES AND SKATES

Hockey and all other Skates which screw to the Boot.

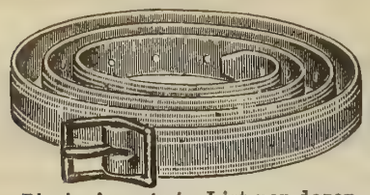
Class	Size Boot.	Size Skate
Misses'	11	7½-inch
	12	8 -inch
	13&1	8½-inch
Ladies'	2½	8½-inch
	2½&3	9 -inch
	4&4½	9½-inch
	5&5½	10 -inch
	6&6½	10½-inch
	7	11 -inch
Boys'	11	7½-inch
	12	8, 8½-inch
	13, 1, 2	9 -inch
	3, 4	9½-inch
	5	10 -inch
Men's	6&6½	10½-inch
	7	11 -inch
	8&9	11½-inch
	10	12 -inch

ACME Pattern Spring Skates.

Class	Size Boot.	Size Skate
Misses'	11	8 -inch
	12	8½-inch
	13&1	9 -inch
Ladies'	2½	9 -inch
	3&4	9 -inch
	4½, 5½	10 -inch
	6&6½	10½-inch
	7	11 -inch
Boys'	11	8 -inch
	12	8½-inch
	13, 1, 2	9, 9½-inch
	3&4	10 -inch
	5	10½-inch
Men's	6&6½	10½-inch
	7	11 -inch
	8	11½-inch
	9&10	12 -inch

Note.—Shoes of different makes vary so much that it is impossible to compile a table which is absolutely correct, but the above will be found sufficiently close for all practical requirements.

LEATHER SKATE STRAPS



No. 1. Black, Assorted. List per dozen .. 1.50
18 to 21 inches x 5/8 inch.

No. 1. Black. List per dozen pairs 2.30
21 inches x 5/8 inch.

No. 1. Russet.
21 x 5/8 inch. List per dozen pairs ... 2.30
36 x 5/8 inch. List per dozen pairs ... 3.30

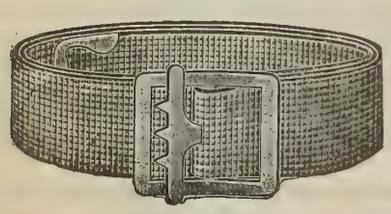
"Best Russet"—
21 x 5/8 inch. List per dozen pairs ... 3.10
36 x 5/8 inch. List per dozen pairs ... 4.50

"Best Black"—
21 x 5/8 inch. List per dozen pairs ... 3.10
36 x 5/8 inch. List per dozen pairs ... 4.50

Made of selected leather, carefully oak tanned; firmly rivetted, nickel plated buckles.

1 dozen pairs in a bundle.

WEBB SKATE STRAPS



Color	Length, ins.	Width, ins.	List dozen pairs.
Tan	21	5/8	2.80
Tan	33	5/8	3.70
Black	21	5/8	2.80
Black	33	5/8	3.70

Made of fine woven cotton web with jute filling; nickel plated stamped steel adjusting buckle and tongue; strong and serviceable; buckle grips anywhere on the strap.

1 dozen pairs in a bundle.

ANKLE SUPPORTS

No.	Sizes.	Color.	List dozen pairs.
1	13, 1, 2	Russet	5.60
2	3, 4, 5	Russet	5.80
3	6, 7, 8	Russet	6.20
4	1, 2	Black	5.60
5	3, 4, 5, 6	Black	5.80
6	7, 8, 9	Black	6.20

With Laces.

Selected brown pebbled and dull black leather; correctly shaped; carefully sewn; with tongue.

1 dozen pairs in a box.

ANKLE SUPPORTS

"PERFECTION."

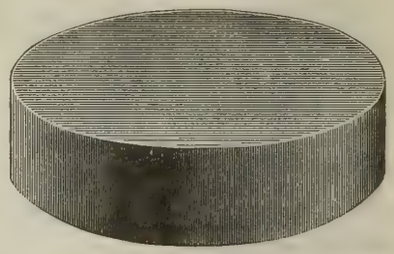
Small. Juvenile. List per dozen pairs 21.00

Medium. For Women. List dozen pairs 21.00

Large. For Men. List dozen pairs 21.00

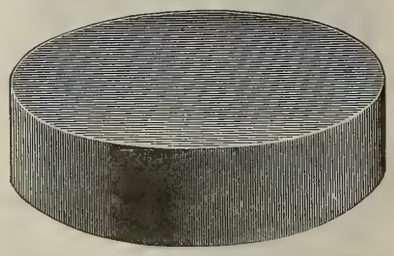
An improved, blued finish steel support that fits outside the boot giving strong and comfortable support to the ankles; complete with heavy leather strap, clinch rivets and bolts for attaching.

HOCKEY PUCKS



"Juvenile." List per dozen 2.20
Hard.
Solid rubber; size 2½ x 3/4 inch; average weight per dozen, 2¾ pounds.
1 dozen in a box.

"Champion." List per dozen 4.00
Hard.
Hard solid rubber; size 3 x 1 inch; average weight per dozen, 5¼ pounds.
1 dozen in a box.



Regulation. List per dozen 4.80
Soft; Regulation Size.

Made from the finest, non-blooming, live rubber; accurate in weight, size and resiliency; will not turn white, crack or chip; 3 inches diameter; 1 inch thick; sold only in attractive sealed carton and fully guaranteed by the makers; weight each, 6 ounces.

1 dozen in a box.

HOCKEY BODY PROTECTORS

See page 422.

HOCKEY GAUNTLETS

"REACH."

No. H. I. G. List per pair 16.00

A light weight glove for defense and forward players; made of genuine horsehide and well padded with hair and Java Kopak; ventilated palm; jointed fingers with white diamonds at knuckles; full caned gauntlet cuffs, elastic inserted; length over all about 13½ inches; average weight per pair, 21 ounces.

2 pairs in a box.

HOCKEY GOAL PADS

"REACH."

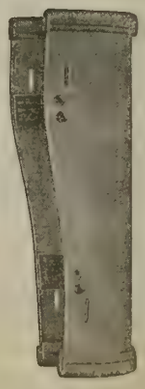
No. G. B. List per pair 20.50

Extra Quality.

Made with the very finest quality, dark brown, leather front; white heavy canvas back; extra heavy, reinforced, cane strips; double padded sides; well padded ankles; strong, selected leather straps; length over all, 28 inches; width, 13½ inches; average weight per pair, 6½ lbs.

1 pair in a parcel.

HOCKEY LEG GUARDS



"REACH."

No. 34. List per pair 2.00

Russet color moulded fibre; felt bound at top and bottom; rivetted, inside resisting straps; worn under the stocking.

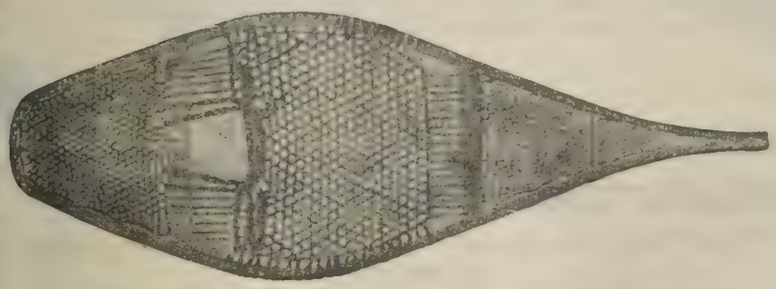
Open stock.

SNOW SHOES

No. 32. Childrens. 9 x 29 inches. List per pair 2.70
No. 31. Boys or Girls. 10 x 33 inches. List per pair 3.60

Selected, well seasoned hardwood frames, carefully bent, correctly shaped; strong hide webbing; curved toes; red wool tufts on edges.

Open stock.

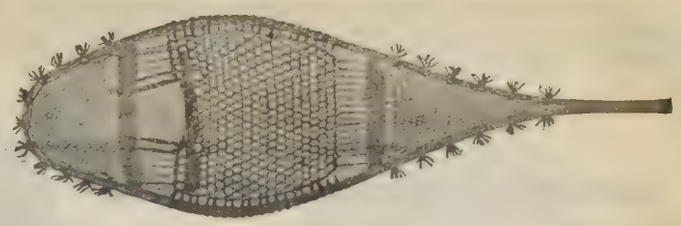


No. 29. Size 12 x 24 inches. List per pair 5.10
No. 28. Size 14 x 42 inches. List per pair 5.70

Men's Club; Curved Toe.

Indian hand made; selected, thoroughly seasoned hardwood frames and cross bars; best rawhide webbing; carefully shaped.

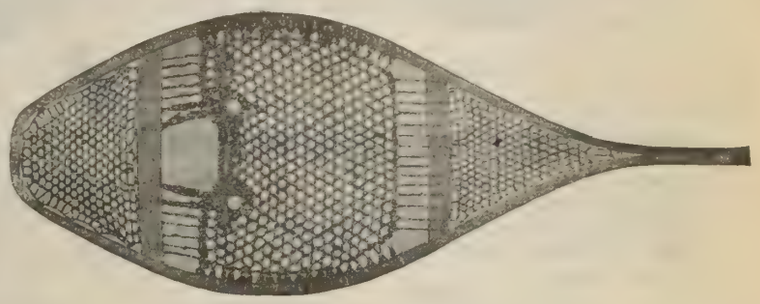
Open stock.



No. 30. List per pair 4.30

Ladies; size 11½ x 36 inches.

Selected, well seasoned hardwood frames, carefully bent, correctly shaped; strong hide webbing; curved toes; red wool tufts on edges.



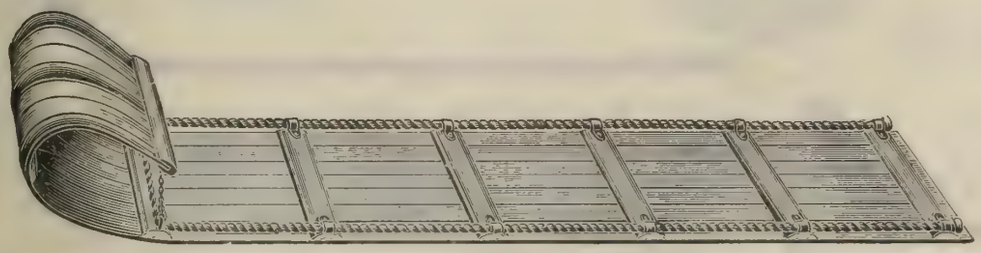
No. 23. Size 16 x 24 inches. List per pair 6.70

Shantyman's; Straight Frame.

A woodsman's shoe in every particular; Indian hand made throughout; thoroughly seasoned, selected hardwood frames and cross bars; very highest quality moose binding; properly laced in correct pattern.

Open stock.

TOBOGGANS



THE "KING".

Length, feet	4	5	6	7	8
List each	4.20	5.00	6.20	7.20	8.00

Has seven 3/8-inch birch slats of seasoned clear wood; screwed to cross-bars, all oiled and varnished; 17½ inches wide and weighs 2¼ pounds per lineal foot, smooth bottom; 7/16-inch cotton rope side lines.

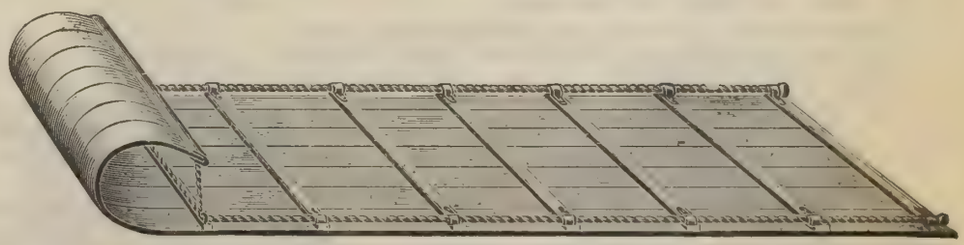
Open stock.

THE "COMET"

Length, feet	6	7	8
List each	8.70	10.00	11.00

Made of seasoned birch, oiled and varnished; 17½ inches wide; 2½ pounds per lineal foot weight; three of seven slats are thicker, making it quite easy to coast on ice, etc., they act as runners. Very heavy white cotton side ropes. Very flexible throughout.

Open stock.



"SAMSON"

Length, feet	6	7	8
List each	10.50	12.50	14.00

Very highest quality selected birch; the centre and two outside runners are half round, 5/8-inch thick, the outer four slats are 1/4-inch thick, therefore this toboggan has three runners of 3/8-inch higher than the body slats. 17⅛ inches wide; weight per lineal foot, 2¾ pounds. Extra heavy cotton side ropes.

Open stock.

HOCKEY STICKS

These Hockey Sticks are made of selected kiln dried timber, they are the most approved patterns and are correct in shape, steam bent so that the grain of wood is continued from end of handle to tip of blade, correctly tapered and accurately balanced.

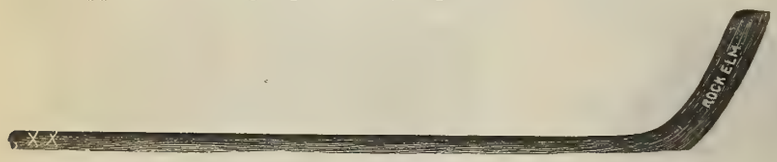
Midget. List per dozen 2.90
A small stick of seasoned wood for boys' use; well shaped.

No. 10 Boys'. Red Painted. List per dozen 3.80
No. 11 Boys'. Plain. List per dozen 3.80
Similar in size to No. 9, but not quite such good quality; used right or left; a good selling stick; average weight per dozen, 10 pounds.

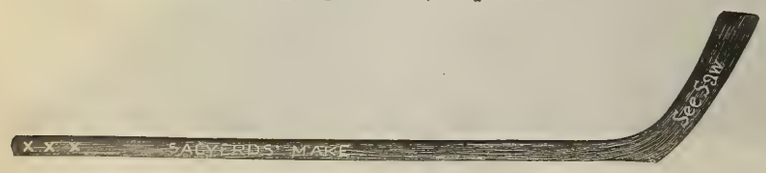
No. 9. Boys. List per dozen 6.00
The same quality as the Men's stick, but smaller in size for boys' use; dimensions:—handle, 38 x 1 1/16 x 3/4 inch, blade 10 inches long, 2 inches high; will stand plenty of hard usage.

No. 50. Boys'. List per dozen 6.70
Indian Hand Made.
Made of the finest selected rock elm; perfectly shaped and carefully balanced; handle 38 inches long, blade 9 inches long, 2 inches wide; average weight per dozen, 9 pounds.

No. 8. Comet, Men's. List per dozen 6.50
Seasoned rock elm; seconds; broad blade; well tapered handle; shaped for right or left; good value at the price; approximate weight per dozen, 18 pounds.



No. 7R. Mens' Right Hand. List per dozen 10.50
No. 7L. Mens' Left Hand. List per dozen 10.50
A standard stick; perfect in grain; bevelled blade; handle, 44 inches long, 7/8 x 1⅛ inches wide; blade, 12 inches long, 2¼ to 2½ inches wide; will stand considerable rough usage; average weight per dozen, 13 pounds.



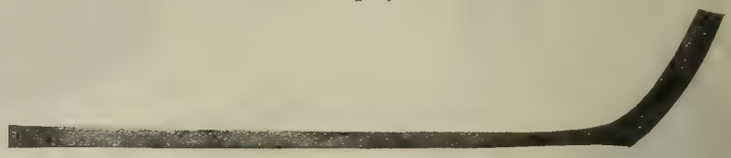
No. 5R. Mens' Right Hand. List per dozen 15.50
No. 5L. Mens' Left Hand. List per dozen 15.50
A first class hockey stick with bevelled edge blade; made of well seasoned rock elm; strong and serviceable; a trifle smaller in the blade than No. 7; average weight per dozen, 14 pounds.

No. 14. Mens' Right Hand. List per dozen 19.50
No. 15. Mens' Left Hand. List per dozen 19.50
Highest quality, well seasoned, second growth rock elm; specially shaped; bevelled blades; an exceptionally fine stick; average weight per dozen, 19 pounds.

No. 1. Mens'. List per dozen 19.50
Made of the finest selected Canadian second growth rock elm; polished finish; carefully shaped, made to lie flat on the ice; handle 44 inches long, 7/8 x 1 1/8 inches wide; blade 12 inches long, 2¼ to 2½ inches wide; right or left hand; average weight per dozen, 19 pounds.

No. 12. Men's. List per dozen 21.00
Grooved Handle.
Made of the finest selected Canadian second growth rock elm; polished finish; grooved handle prevents the hands from slipping; a favorite with many players; right or left hand; average weight per dozen, 13 pounds.

No. 16. Mens' Right Hand. List per dozen 24.00
No. 17. Mens' Left Hand. List per dozen 24.00
Hand Made.
Hand made from thoroughly seasoned, selected second growth rock elm; correctly shaped; carefully balanced; for both right and left hand players.



No. 100R. Mens' Right Hand. List per dozen 15.00
No. 100L. Mens' Left Hand. List per dozen 15.00
Indian Hand Made.
Made of the finest selected rock elm; perfect in shape and balance; handle 47 inches long; blade 11 inches long, 2½ inches wide; grooved handle and blade; average weight per dozen, 17 pounds.

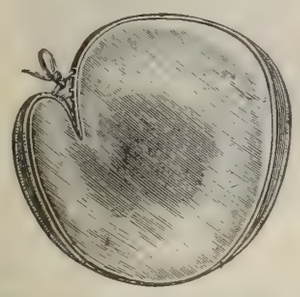
No. 20. List per dozen 27.00
2-Piece Built-Up Goal Stick.
Made of Canadian Second Growth Rock Elm, and designed for players who require the highest grade of perfection; the extra strip of wood is securely attached to the regular stick, making it more effective for goal keeping; the blade is 11 x 3¼ inches and handle 42 to 46 inches long.

No. 21. List per dozen 32.00
3-Piece Built-Up Goal Stick.
Made of selected Canadian Second Growth Rock Elm; natural finish and perfect in shape; it provides a goal keeper with a stick that is up to the limit of size allowed. This is done by adding to the regular stick two strips of wood, the inside strip making one half of the blade, the other strip being attached to the back giving extra width above the blade; these strips are firmly fastened; blade 3 x 13 inches; built-up section of handle is 3½ inches wide and length over all is 42 to 46 inches.

Open stock.

CATCHERS MITTS

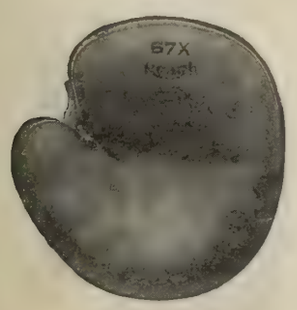
Reach Mitts and Gloves need no introduction, they are made in the most approved models of selected materials by expert workmen; they embody patented features and are used throughout the baseball world from the "Stars" to the small boy enthusiast.



No. 157. List per dozen 15.60

Boys size; brown leather face; canvas back and edge; well padded; a low priced mitt; this is not a Reach line.

1/2 dozen in a box.



REACH.

No. 67X. List per dozen 18.00

Boys' Size. Made with good quality leather, face and fingers. Leatherette strip. Canvas back. Laced thumb attachment.

Each in a box.

REACH.

No. 65X. List per dozen 26.40

Junior Model.

Olive leather face, fingers and back, leatherette strip. Strap and buckle at wrist. Lacing adjustment at thumb. Youths' size.

Each in a box.

REACH.

No. 75X. List per dozen 33.60

Youths' Special.

Brown tan leather face, fingers and back; leatherette strip; bound edge; well stitched; good padding; lacing adjustment at thumb; strap and buckle at wrist; full size; weight each, about 3/4 pound.

Each in a box.

REACH.

No. FP. List per dozen 48.00

Men's Amateur.

This mitt has brown tan mitten leather face, fingers and back; leatherette strip; laced edge; strap and buckle at wrist; lace between thumb and body of mitt. Medium size model.

Each in a box.

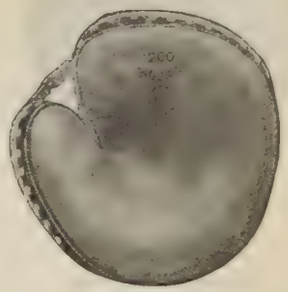
REACH.

No. 150. List per dozen 64.80

Club Model.

Face and fingers made of cream horsehide leather; black leather back and strip, double stitched; leather laced; strap and buckle at wrist; well padded with deep pocket. Full size model.

Each in a box.



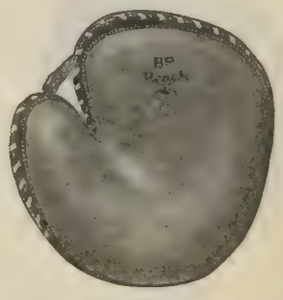
REACH.

No. 200. List per dozen 79.20

Association Model.

Made entirely of selected black horse hide; leather laced; double stitched seams on strip and fingers; strap and buckle back, with protector at wrist; strap and buckle thumb adjustment. Regulation model.

Each in a box.



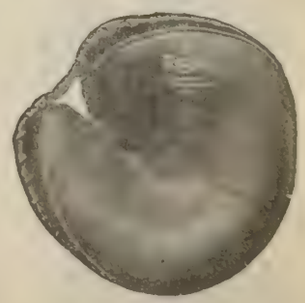
REACH.

No. BP. List per dozen 104.40

League Model.

Made with brown tan Reaco horse hide face and fingers; brown leather back; cow hide strip; leather laced; strap and buckle thumb adjustment; double stitched; strap and buckle with buckle protector at wrist. Full size regulation model; deep pocket.

Each in a box.



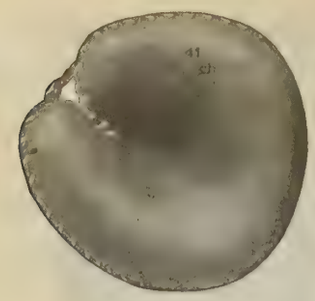
No. 31. List per dozen 128.40

Professional Model; Semi-moulded.

Made for fast and snappy play; face, fingers, back and strip are made of Reaco black grain horse hide; double stitched seams; leather binding and lacing; strap and buckle thumb adjustment; strap and buckle at wrist with buckle protector; properly padded with deep pocket; weight each, about 1⅝ pounds.

Each in a box.

CATCHERS MITTS



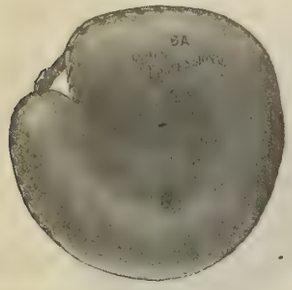
REACH.

No. 41. List per dozen 192.00

Moulded Model.

Made throughout of dark brown grain horse hide leather; one piece moulded face and pocket with hand formed padding; roll leather binding on edges; double stitched fingers; strong leather laced; strap and buckle thumb and wrist adjustment; made on the same model as the higher priced mitts; an excellent mitt which will give good satisfaction; weight each, about 1⅝ pounds.

Each in a box.



REACH.

No. 6A. List per dozen 240.00

Professional Moulded Model.

Made entirely of specially selected Reaco golden grain horse hide; one-piece leather moulded face with deep permanent pocket, hand formed, asbestos felt pad; leather welted seams; roll leather binding on the edges; double stitched fingers; special "Hold Fast" back; laced with special, tough, leather lace; thumb is made adjustable wtih leather lace; full protected strap and buckle at wrist; weight each, about 1⅝ pounds.

Each in a box.

FIELDER'S GLOVES

No. 101. List per dozen 13.00

Brown leather; boys' size; felt palm padding; inside seam; wrist strap.

This is not a Reach line.

1/2 dozen in a box.

FIELDER'S GLOVES

Left Hand Gloves are for right hand players. Full Right Hand Gloves are for left hand players.

No. 19A—REACH.

Left Hand. List per dozen 13.20
Full Right Hand. List per dozen 13.20

Boys' Model.

Glove leather; felt palm padding; boys' size. Outseam construction.

1/2 dozen in a box.

No. 18C—REACH

Left Hand. List per dozen 16.80

Full Right Hand. List per dozen 16.80

Boys' Special.

Made of glove leather; full size youths' model; well padded with felt; leather palm lining; inseam construction.

1/2 dozen in a box.

No. 4G—REACH

Left Hand. List per dozen 24.00

Full Right Hand. List per dozen 24.00

Junior Model.

Tan glove leather; youths' size; well formed pocket with medium padding; khaki lining with leather palm; strap and button at wrist; weight each, about 3 oz.

Each in a box.

No. 57—REACH

Left Hand. List per dozen 28.80
Full Right Hand. List per dozen 28.80

Mens' size; made of good quality olive leather; bound edges; well padded with felt; leather palm lining; inseam model; strap and button at wrist; weight each, about 4 ozs.

Each in a box.

No. 55—REACH

Left Hand. List per dozen 42.00
Full Right Hand. List per dozen 42.00

Amateur Model.

Brown tan glove leather; bound edges; medium padded heel and formed pocket; leather palm lining; strap and button at wrist; weight each, about 5 ozs.

Each in a box.

No. 10G—REACH.

Left Hand. List per dozen 48.00
Full Right Hand. List per dozen 48.00

Laced Model.

Brown Tan Glove Leather; leather palm lining. Laced wrist permits adjustment of padding. This glove is made on a duplicate model of the higher grades; weight each, about 5 ozs.

Each in a box.

H. S. HOWLAND, SONS & CO., LIMITED WHOLESALE HARDWARE, TORONTO, CANADA.

FIELDERS GLOVES

Left Hand Gloves are for right hand players. **Full Right Hand Gloves** are for left hand players.

No. 59—REACH

Left Hand. List per dozen **48.00**
Full Right Hand. List per dozen **48.00**

Club Special Model.

Olive tan glove leather; full leather palm lining; all seams leather welted; leather bound edges; wide little finger; medium padding in heel and fingers; weight each, about 4½ ozs.

Each in a box.

REACH.

No. 10X. List per dozen **56.40**

Laced Model; Left Hand.

Wine glove leather of good quality; bound edges; all seams leather welted; full leather palm lining; medium padded heel and fingers; laced at bottom; strap and button at wrist; weight each, about 5 ozs.

Each in a box.

No. 3G—REACH

Left Hand. List per dozen **63.60**
Full Right Hand. List per dozen **63.60**

Wine horsehide glove leather; full leather lined; leather welted seams; leather bound; wide little finger model; medium padding; flexible pocket; strap and button at wrist; weight each, about 7½ ozs.

Each in a box.

No. 9G—REACH

Left Hand. List per dozen **72.00**
Full Right Hand. List per dozen **72.00**

"Semi-Pro" Model.

Special cream horse hide glove leather; full leather lined; welted seams; leather bound; medium padding, flexible pocket; wide little finger model; weight each, about 7 ozs.

Each in a box.

No. 2L—REACH

Left Hand. List per dozen **80.40**

Special Laced Model.

Reaco pearl grain horse hide; leather lined and bound; welted seams; laced wrist permits adjustment of padding; deep palm with medium padding at heel; wide little finger; strap and button at wrist; weight each, about 6 ozs.

Each in a box.

No. 2L—REACH.

Full Right Hand. List per dozen **80.40**

Special Laced Model.

Reaco pearl grain horse hide; leather lined and bound; welted seams; laced wrist permits adjustment of padding; deep palm with medium padding at heel; wide little finger; strap and button at wrist; weight each, about 4 ozs.

Each in a box.

No. SW.—REACH

Left Hand. List per dozen **96.00**

Full Right Hand. List per dozen **96.00**

Regulation Model.

Drab horsehide; lined with soft glove leather; leather bound; all seams leather welted; wide little finger; medium padding; requires no breaking in; weight each, about 7½ ozs.

Each in a box.

REACH.

No. 02. List per dozen **104.40**

Professional Laced Model.

Left Hand.

Special brown Reaco horsehide; full lined with glove leather; welted seams; leather bound; deep palm with medium padding at heel; laced at wrist to permit adjusting of padding; weight each, about 8½ ozs.

Each in a box.

REACH.

No. CBS. List per dozen **144.00**

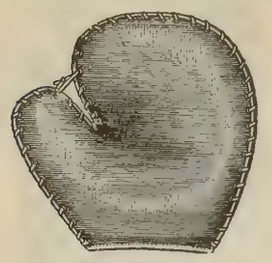
Al. Reach Model.

Left Hand.

Heavy dark brown oiled horse hide; full glove leather lined; rolled leather edges; all seams leather welted; diverted finger seams; ample padding; deep and flexible pocket; wide little finger; laced thumb adjustment; strap and button at wrist; leather laced at bottom to allow change of padding; an excellent wearing glove; weight each, about 10 ozs.

Each in a box.

BASEMEN'S MITTS



No. 158. List per dozen 11.50

Junior size; brown leather face; canvas back.

This is not a Reach line.

1 dozen in a box.

REACH.

No. 7B. List per dozen 18.00

Brown tan mitten leather face and back; canvas lining; bound edge; strap and button at wrist. Well padded. Youths' size.

Each in a box.

REACH.

No. FB. List per dozen 26.40

Brown tan mitten leather face and back; khaki lining; bound edge; strap and button at wrist. Men's size; well padded.

Each in a box.

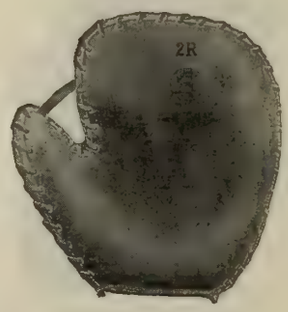
REACH.

No. 3R. List per dozen 32.40

Amateur Model.

Olive leather face; khaki back and finger pocket; bound edge; hand made pad; thumb lace adjustment; strap and button at wrist; average weight each, about 7½ ozs.

Each in a box.



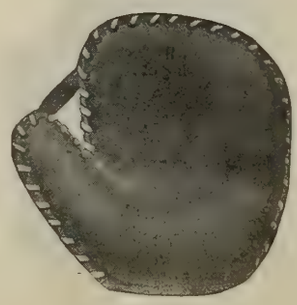
REACH.

No. 2R. List per dozen 57.50

Regulation Model.

Black leather face, back and finger pocket; hand made pad; leather laced; thumb strap adjustment; strap and buckle at wrist; weight each, about 10 oz.

Each in a box.



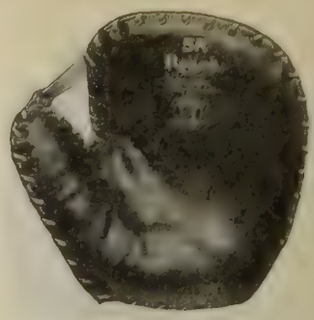
REACH.

No. R. List per dozen 63.60

Grabber Model.

Full size; wine horsehide leather; hand made pad; leather laced; double stitched seams; thumb strap adjustment; strap and button at wrist.

Each in a box.



REACH.

No. 5R. List per dozen 79.20

Reaco black grain horsehide; leather bound; laced around entire edge; special hinge padding; buckle and adjusting strap at thumb; medium padding with deep pocket; strap and buckle at wrist; weight each, about 10 ozs.

Each in a box.

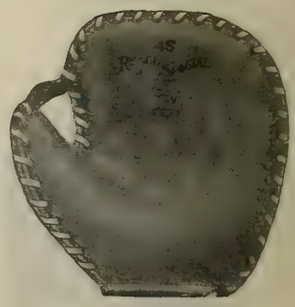
REACH.

No. 4B. List per dozen 96.00

Hinge Model.

Pearl Reaco grain leather; welted glove thumb with strap and buckle adjustment; hand formed hinge pad; leather bound and laced; medium padding; with strap and buckle at wrist; weight each, about 11 ozs.

Each in a box.



REACH.

No. 4S. List per dozen 136.80

Professional Model.

Made entirely of Reaco brown grain horse hide, a leather of superior wearing quality; one-piece face, laced around entire edge to permit adjustment of padding; edges are bound with rolled leather; seams are double stitched and leather welted; hand-formed hinge padding; strap and buckle adjustment at thumb and wrist; weight each, about 14 ozs.

Each in a box.

BASEBALLS

Reach Baseballs are recognized as the Official Standard—this is conclusive evidence of their merit. Carefully constructed of the finest materials made expressly for the purpose, the line comprises a variety of grades and sizes which meet all requirements from Professional League player to the small boy.

REACH.

No. 11B. "Aero." List per dozen 2.64

A boys' ball; junior size; well made throughout; white, waterproof cover; red stitching; average weight each, 4 oz.

1 dozen in a box.

REACH.

No. 8. List per dozen 5.50

"Cock of the Walk."

A good practice ball; fair quality wool yarn centre; white waterproof cover; red stitching; 2⅝ inches diameter; average weight each, 4½ ozs.

1 dozen in a box.

REACH.

No. 9X. List per dozen 8.00

"Lively Flyer."

Horsehide cover; junior size and weight; made of good lively material; 2⅝ inches diameter; average weight each, 4½ ozs.; each in a carton.

1 dozen in a box.

REACH.

No. 7. List per dozen 12.00

"Bounding Rock."

Horsehide cover; regulation size and weight; well made in every detail; blue stitching; 2⅞ inches diameter; average weight each, 6 ozs., each in a sealed carton.

1 dozen in a box.

REACH.

No. 0. List per dozen 36.00

Official American League.

Used Exclusively by the American League. Cork centre ball; regulation size, 9 inches in circumference; constructed of super-fine wool yarn and pure Para rubber; covered with highest grade horsehide leather; pure white finish; double stitched with pure linen thread; guaranteed for nine innings; each ball is wrapped in tin foil, put up in separate box and sealed; weight each, 5¼ ozs.

1 dozen in a box.

REACH.

No. OJ. List per dozen 32.40

Official American League Junior.

8 inches circumference; weight each, 4½ oz., otherwise an exact duplicate of the No. O. baseball; cork centre; super fine wool yarn and pure Para rubber; highest grade, horsehide leather cover pure white finish; double stitching; guaranteed to last a full game of nine innings; put up in a separate box and sealed.

1 dozen in a box.

REACH.

No. 4A. List per dozen 16.00

"Superior League."

Regulation size and weight; white, horsehide cover; carefully constructed and stitched of durable materials; each in a sealed carton.

1 dozen in a box.

REACH.

No. 3C. List per dozen 26.40

"Continental League"

Official size and weight; made of wool yarn with pure rubber centre; best quality, white, horsehide cover; double stitched with linen thread; each in a sealed carton.

1 dozen in a box.

PLAYGROUND BALLS

REACH.

No.	Size.	List dozen
25B	11-inch	16.80
50B	14-inch	25.20

Genuine horsehide cover; made in regulation and junior sizes; carefully stitched; serviceable materials throughout; particularly suitable for picnics, etc.

1 in a box.

REACH.

No.	Size.	List dozen
P12	12-inch	36.00
P14	14-inch	40.00

Official playground balls; white horsehide cover; hand stitched; outseam model; patent construction; particularly suitable for playgrounds; will outwear any other ball.

Each in a carton.

INDOOR BASEBALLS

REACH.

No.	Size.	List dozen
112	12-inch	32.40
114	14-inch	36.00

"Official."

White horsehide cover; Reach patent construction assures durability and retention of shape; carefully made throughout of the best materials; red linen stitching.

Each in a carton.

BASEBALL BATS

Indoor.

No. 800. List per dozen 16.00

Nicely turned of selected, straight-grained hardwood; natural finish; waxed and polished; 33 to 36 inches long; average weight each, 1¼ pounds; indoor baseball size.

No. 015. List per dozen 1.70

Boys' seconds; natural finish hardwood; polished; 26 ins. long; 1¾ inches bottom diameter; weight each, about 18 ozs.

No. 10. List per dozen 2.20

Boys; straight grain maple; natural finish; waxed; 23 inches long; 1⅞ inches diameter; average weight each, 15 ozs.

No. 15. List per dozen 2.50

Boys; good quality straight grained wood; natural, waxed finish; average length, 26 inches; diameter at bottom, 1¾ inches; average weight each, 18 ozs.

No. 25. List per dozen 4.70

Youths; selected straight grained hardwood; burnt end; natural finish; waxed surface; length 30 niches; diameter at bottom, 2 inches; average weight, 22 ozs. each.

No. 30. List per dozen 5.50

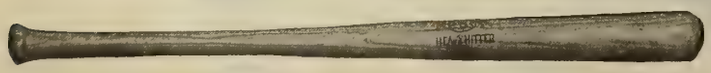
Youth's; straight grained maple; natural finish; waxed; 30 inches long; 2⅛ inches bottom diameter; weight each, about 26 ozs.

No. 45. List per dozen 12.00

Youths; straight grained ash; burnt finish; varnished; well shaped; a good driver; 30 inches average length; 2⅛ inches diameter at bottom; weight each, about 1⅝ pounds.

No. 35. List per dozen 15.00

Selected straight grained ash; flame burnt finish; waxed; 33 to 35 inches long; bottom diameter, about 2¼ inches; weight each, about 28 ozs.



REACH.

No. 81. List per dozen 20.00

"Heavy Hitter."

Thoroughly seasoned, straight-grained ash; natural finish; 33 to 35 inches long; hand turned; well balanced; waxed; each in a paper bag; 2 dozen in a crate.

No. 75. List per dozen 24.00

Tape Wrapped Handle.

Selected, straight grained ash; flame burnt finish; waxed; a fine driver; tape wrapped handle; 34 to 36 inches long; bottom diameter, about 2⅜ inches; weight each, about 2¼ pounds; each in a paper bag.

REACH.

No. 100T. List per dozen 28.00

"League."

Good quality ash special, golden finish; tape wound handle; narrow grip; 33 to 35 inches long; diameter at bottom about 2¼ inches; average weight each, 2⅛ pounds; each in a paper bag.

"Birch." List per dozen 30.00

Babe Ruth Model.

An extra service bat made of selected birch, seasoned and dryed by special process; natural finish; waxed and highly polished; narrow grip and long tapering shoulder; 33 to 35 inches long; 2½ inches diameter at bottom; average weight each, 2¼ pounds; well balanced; good driving power; each a paper bag.

REACH.

No. 105. List per dozen 36.00

"World's Series."

Finest second growth, straight grained ash; flame burnt finish; black tape wrapped handle; well balanced; 34 to 36 inches long; 2¼ inches diameter at bottom; weight each, about 1⅞ pounds. Each a paper bag.
2 dozen in a crate.

No. 22. List per dozen 42.00

"Mooney Gibson Slugger."

Selected second growth ash; carefully turned; well balanced; a good driver; flame burnt finish; waxed and polished; black tape wrapped handle; 34 to 36 inches long; diameter at bottom 2⅜ inches; average weight each, 3 pounds; each in a paper bag.

No. 12/0. List per dozen 44.00

Burley Model "C."

Hand turned from finest second growth, straight grained white ash; thoroughly seasoned; proper balance and "drive"; orange hand rubbed oil finish; black tape wrapped handle; 33 to 35 inches long; weight 36 to 45 ounces; each in a paper bag.

REACH.

No. 13/0. List per dozen 44.00

Burley Model "W".

Hand turned from finest second growth, straight grained white ash; thoroughly seasoned; well balanced; good driving power; plain finish handle, dark brown finish body; highly polished; 33 inches long only; weight 40 to 44 ounces each; each in a paper bag.

CATCHERS' MASKS

REACH.

No. CM. List per dozen 32.40

Boys' Size.

Tough steel wire frame, welded and finished in dull black enamel; open vision; moulded, leather chin piece; well padded; adjustable web head strap; weight each, about 3/4 pound.

Each in a box.

REACH.

No. XX. List per dozen 42.00

Amateur Model.

Strong steel wire frame, welded and finished in dull black enamel; open vision; full leather padded; adjustable web head strap; weight each, about 13 ozs.

Each in a box.

REACH.

No. 30S. List per dozen 80.40

"Association."

Open vision, heavy tempered steel wire frame securely welded and finished in dull black enamel; full length, hair stuffed, khaki lined pads, strapped and buckled to frame; transparent sun-shade; adjustable web head strap; a popular model; weight each, about 1⅜ pounds.

Each in a box.

CATCHERS BODY PROTECTORS

REACH.

No. 3P. List per dozen 56.40

Boys' Model.

Khaki canvas; well padded with felt; bound edge; adjustable straps.

Each in a parcel.

REACH.

No. S4. List per dozen 104.40

Catchers'; a thoroughly practical protector; made of khaki canvas with leather binding; padded extension over shoulder; adjustable straps; lighter weight materials.

Each in a parcel.

REACH.

No. SP. List per dozen 192.00

Professionals'.

Excellently made of khaki canvas with leather binding; laced edge to permit adjustment of padding; padded extension over shoulders; adjustable straps; well padded; affords thorough protection.

Each in a parcel.

SHOE PLATES

REACH.

No. 6T. Toe. List dozen pairs 4.00

No. 6H. Heel. List dozen pairs 4.00

Amateur style; ideal for boys teams.

No. 2T. Toe. List dozen pairs 6.40

No. 2H. Heel. List dozen pairs 6.40

Toe and heel plates, made of fine steel; strong and will give good service.

Toe.

Heel.

REACH.

No. 1T. Toe. List dozen pairs 9.60

No. 1H. Heel. List dozen pairs 9.60

Toe and heel plates of extra quality steel; bevelled edge; specially tempered and sharpened.

All 1/12 dozen pairs in an envelope, with screws; 1 dozen pairs in a box.

PITCHERS' TOE PLATES

No. 5T—REACH

Left. List per single dozen 8.00

Right. List per single dozen 8.00

Made of aluminum; worn on toe of shoe; for right or left shoe as above; with screws for attaching.

1 dozen in a box.

BASEBALL GUIDES

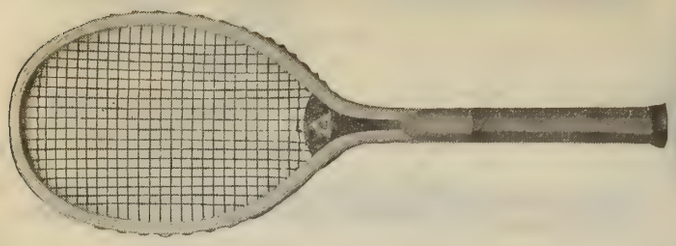
Reach. List per dozen 4.50

The Reach Official American League Baseball Guide and Rule Book contains everything you want to know about Baseball. Complete records of all leagues. Full account of the famous World Series. Illustrations showing all major and minor league clubs. The only Guide containing up-to-date rules and complete record of history of the game. Issued April 1st each year; size 5 x 7 inches; weight each, about 1/2 pound.

Open stock.

TENNIS RACQUETS

In Ordering, care should be taken to mention the Weights wanted.

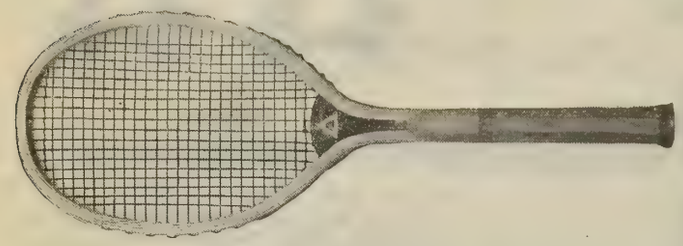


"Leader." List each 4.00

Weights:—12½, 13, 13½, 14 oz.

Square, varnished ash frame; leather tipped octagon handle; clear gut stringing; 16 main strings; white maple throat; a well finished highly polished racquet.

Each in an envelope.

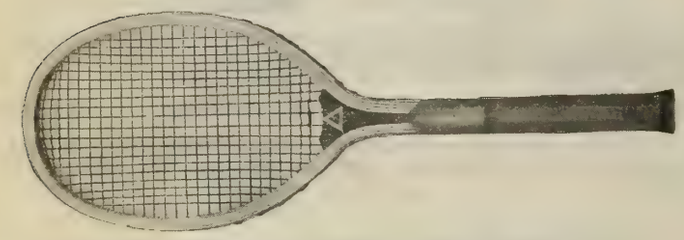


"Columbia." List each 5.00

Weights:—12½, 13, 13½, 14 oz.

Square, varnished ash frame; leather tipped, octagon cedar handle; walnut throat; good quality clear gut stringing with 18 mains; 2 close, double main strings; red top cross strings; full size.

Each in an envelope.

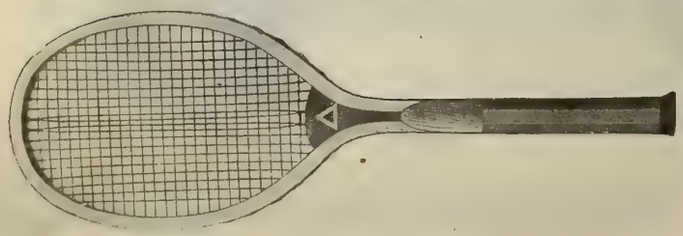


"Triumph." List each 6.30

Weights:—12½, 13, 13½, 14 oz.

Square, varnished ash frame; leather tipped octagon cedar handle; partly concaved walnut throat; good quality white gut; 18 main strings; red top cross strings; full size; well made throughout.

Each in an envelope.

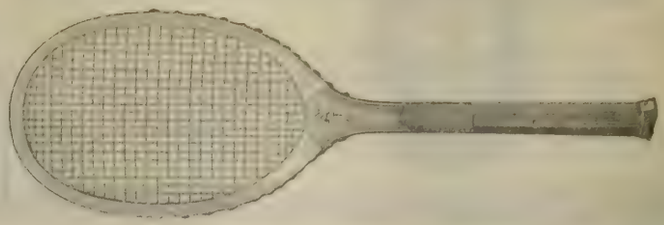


"Climax." List each 6.90

Weights:—12½, 13, 13½ oz.

Made throughout of good grade material; square, varnished ash frame; leather tipped octagon cedar handle; walnut throat; fine quality, selected, all white gut; two double main strings; medium handle; popular priced; well finished.

Each in an envelope.

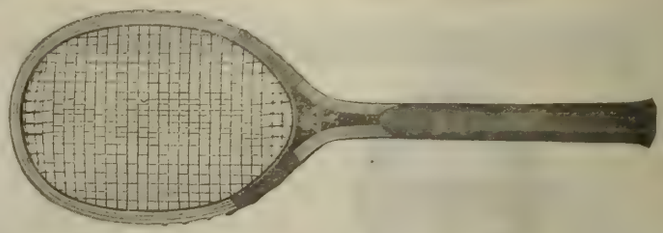


"Defiance." List each 9.00

Weights:—13, 13½, 14 oz.

A good medium priced racquet of high grade materials; square ash frame with broad shoulders, carefully bound; white maple hollow throat; all white gut, close tournament stringing with 20 mains; leather tipped, grooved, octagon cedar handle of medium size; varnished; full size.

Each in an envelope.

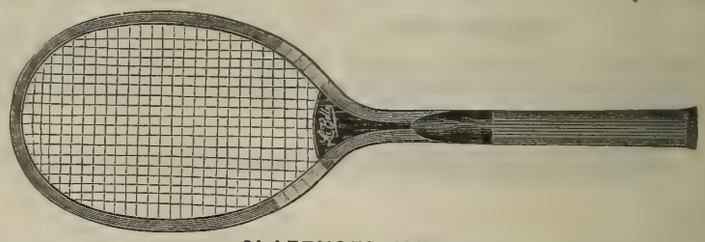


"Dreadnought." List each 13.00

Weights:—13, 13½, 14 oz.

Fine quality; selected seasoned ash frame with inside edges bevelled; reinforced and bound shoulders; reinforced hollow throat of white maple; high tension, all white gut stringing with four double mains; leather tipped, octagon cedar handle; nicely balanced and varnished.

Each in an envelope.



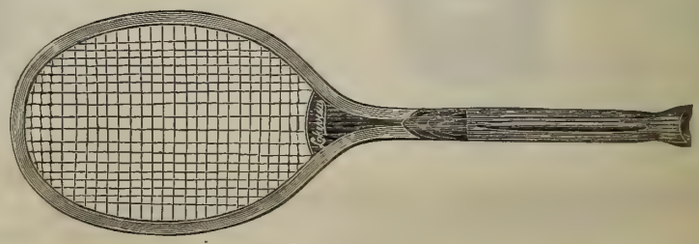
SLAZENGER MAKE

"LaBelle." List each 7.70

Weights:—12½, 13, 13½, 14 oz.

A good serviceable racquet of square ash frame; walnut throat; leather tipped, octagon cedar handle; well strung with good grade clear gut.

Each in an envelope.



SLAZENGER MAKE

"Lakeview." List each 9.00

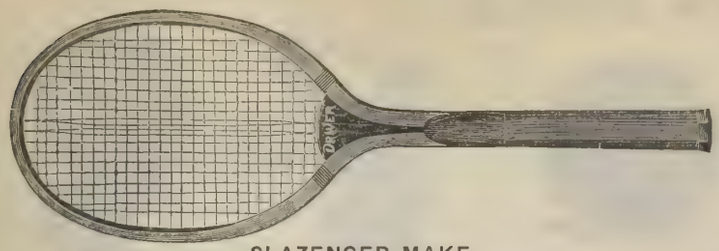
Weights:—13, 13½, 14 oz.

A particularly popular racquet made with facsimile of the famous Demon handle; square, varnished frame of second growth ash; walnut throat; cedar handle; well strung clear gut main strings and red cross strings; very durable.

Each in an envelope.

TENNIS RACQUETS

In ordering, care should be taken to mention weight wanted.



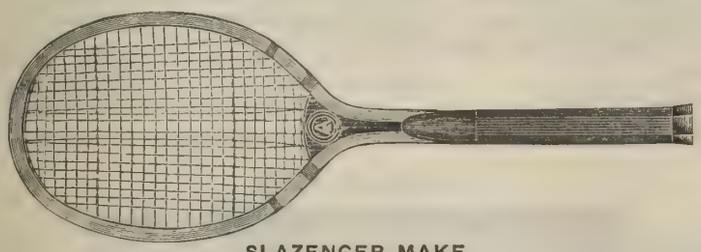
SLAZENGER MAKE

"Driver." List each 13.00

Weights:—13, 13½, 14 oz.

Made with bevelled edge frame of specially selected ash; reinforced shoulders of blue gut; walnut throat; octagon cedar handle; excellently strung with clear gut; has double main strings and cross trebled strings to stop slipping of main strings; well balanced; fine driving power.

Each in an envelope.



SLAZENGER MAKE

"Ace." List each 14.50

Weights:—13, 13½, 14 oz.

A good racquet, strung with specially strong gun, has great "drive"; square, varnished frame of selected white ash; double bound shoulders; walnut throat; octagon cedar handle with leather tip; double main strings and cross trebled strings to prevent main strings from slipping; carefully balanced.

Each in an envelope.

SLAZENGER MAKE

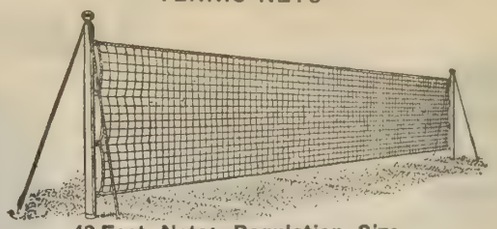
"Varsity." List each 18.50

Weights:—13, 13½, 14 oz.

A highly recommended, popular priced racquet; specially selected bevelled edge frame of white ash; varnished; red gut bound shoulders; walnut wedge; reinforced hollow throat; leather tipped, octagon cedar handle; fine English gut stringing; two double main strings; well balanced, of excellent materials throughout.

Each in an envelope.

TENNIS NETS



42-Feet Nets; Regulation Size.

No. 1 (Net only). List each 7.50

Roped.

White cotton; heavy corded top and bottom; 3½ feet wide; machine made; regulation size for double courts.

No. 3 (Net only). List each 9.00

Bound.

Machine made of plain white cotton twine; double stitched; bound top with grommet eyes; 3½ feet wide; regulation size for double courts.

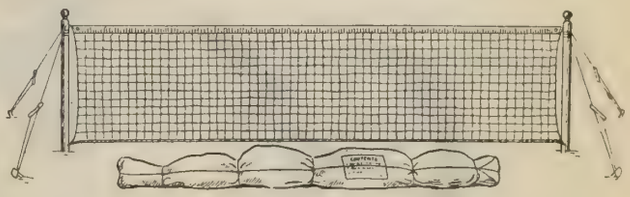
No. 4. (Net only). List each 10.00

Tarred and Bound.

Hand made from the best quality hemp cord; steam tarred; canvas bound; double stitched; brass grommet eyes; corded bottom of 6 thread cord; average weight each, 2 pounds.

1 in a box.

TENNIS NET SETS

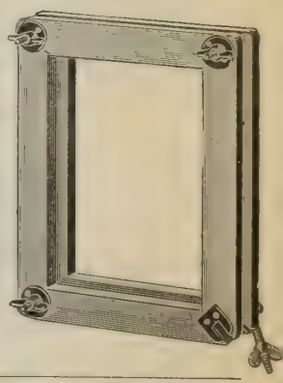


No. 10. List per set 12.00

Plain white cotton net, 42 feet long, 3½ feet wide; canvas bound, roped top; corded bottom; 2 varnished maple poles 4 feet long, 1⅝ inches diameter; 4 hardwood pegs; 4 hardwood toggles; also guy rope; average weight per set, 8¾ pounds.

1 set in a package.

TENNIS RACQUET PRESSES



"Niagara." List per dozen 18.50

Automatic.

Whitewood frame; nickel plated trimmings; strong steel screws and wing nuts; with springs; hinged corner screw to allow racquet to slide in; effectually prevents warping.

Open stock.

TENNIS BALL BAGS

No. 10. List per dozen 3.60

Heavy white twine; carefully knitted; will hold 6 regulation size tennis balls.

1 dozen in a parcel.

TENNIS BALLS

"SLAZENGER."

"H" Court. List per dozen 13.00

Championship.

Made of the very finest quality rubber and covered with extra fine pure white felt cloth; triple ply reinforced seam centre; hand stitched and undersewn; regulation size and weight; weight per box, 2 lbs.

1 dozen in a box.

TENNIS BALLS

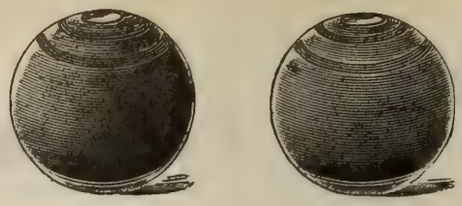
"Sorbo." List per dozen 4.00

The Ball that will not Burst.

2 1/3 inch; imitation felt covered; compressed sponge inner; has extreme liveliness; practically indestructable; punctures do not effect it; average weight per dozen, 1¾ pounds.

1 dozen in a box.

SAMSON LAWN BOWLS



Size, inches	5 1/16	5 1/8	5 3/16
Black Finish, list pair	19.00	19.00	19.00
Natural Finish, list pair	19.00	19.00	.....

STANDARD BOWLS.

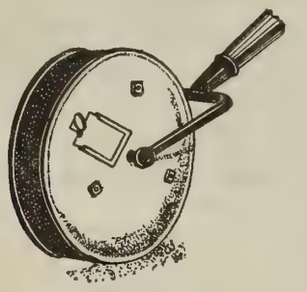
Made from the finest seasoned lignum vitae and guaranteed true in size and bias.

These bowls are made by specially devised machines which ensure accuracy and uniformity in bias and size. Each pair is made from the same log of wood, giving equality in density and they comply with the Regulations of the Lawn Bowling Association. Finely finished in every respect with large ivory mounts on both sides; average weight per pair, 6¼ pounds.

1 pair in a box.

FULLY GUARANTEED

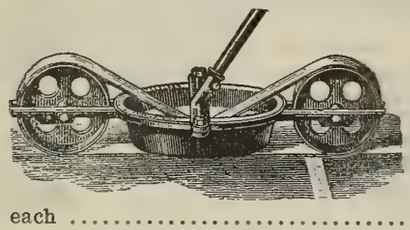
TENNIS COURT OR BOWLING GREEN MARKERS



"Dry Marker." List each 4.50

Perforated metal box wheel with handle; simple in construction and easy to operate; makes a clean even line without mixing of material; any powdered substance such as marble dust, Plaster of Paris, air-slacked lime or ground plaster may be used.

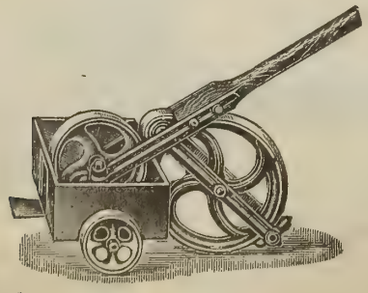
Open stock.



"Duplex." List each 6.50

Double wheel, easy running rubber tire Court Marker. Makes a perfect 1¼ inch white line. Very simple to operate and works perfectly. Whitening solution is carried in inner hollow pan.

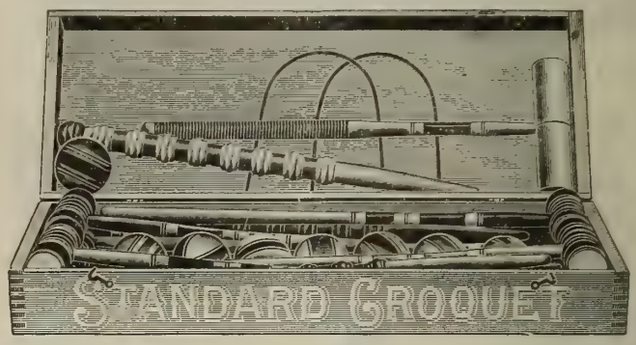
Open stock.



"Eclipse." List each 10.70

Metal box; 3 iron wheels; the marking being transferred by contact from wheel to centre and to the grass by the large back wheel. Very simple in its operation and will do the work satisfactorily.

CROQUET SETS



No. 10. List per set 5.30

6 Ball plain set; mallets oiled, balls and stakes varnished; nine arches; with book; dovetailed box; weight, 18 pounds.

No. X10. List per set 6.00

6 Ball Set, all parts varnished, otherwise the same as No. 10; weight, 18 pounds.

No. XA. List per set 7.10

8 Ball all varnished set; mallets painted, two eight colored stakes; ten arches; with book; weight, 21 pounds.

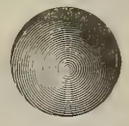
No. 2. List per set 9.50

8 Ball, all varnished first-class set; balls, handles and mallets painted and striped; two large fancy stakes; heavy galvanized arches; weight, 23 pounds.

Best quality hardwood mallet heads, balls and pegs; clear stock; well dried; will not check or lose form; wire arches; one set in a hinged box.

Open stock.

POT JACKS



No. 15. List per dozen 12.00

White pot; glazed finish; 2½ inches diameter.

Open stock.

LAWN BOWL NETS

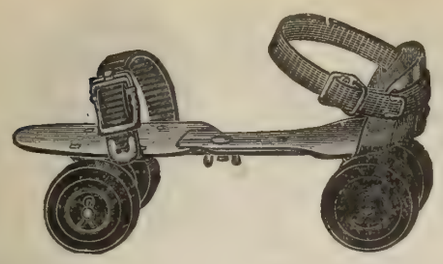
No. 12. White. List per dozen 6.40

No. 13. Heavy Colored. List per dozen 9.60

Carefully knitted cotton; holds one pair of bowls; very easy to carry.

Open stock.

ROLLER SKATES

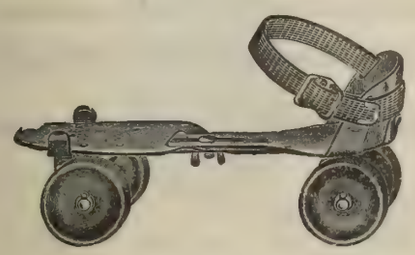


No. 2. List per pair 1.76

Childrens'; Extends from 7¼ to 9½ ins.

These Skates have high-grade homegeneous steel tops, and are strong and durable. They are constructed with high steel backs, which makes them suitable for either boys or girls. Adjustment is easily made and will hold; fitted with web straps and steel wheels; average weight per pair, 2⅛ pounds.

1 pair in a parcel.

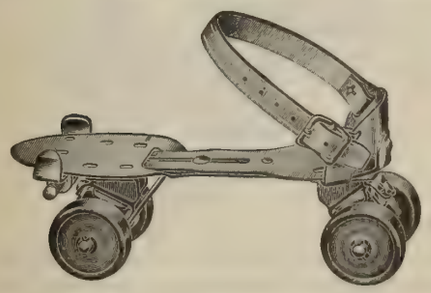


No. 3. List per pair 1.94

Childrens'; Extends from 7¼ to 9½ ins.

The same as No. 2, except fitted with clamps at toe; high grade steel tops; strong and durable; high steel backs, for either boys or girls; steel wheels; web straps; easily and quickly adjusted; average weight per pair, 2⅛ pounds.

1 pair in a parcel.



No. 10. List per pair 2.80

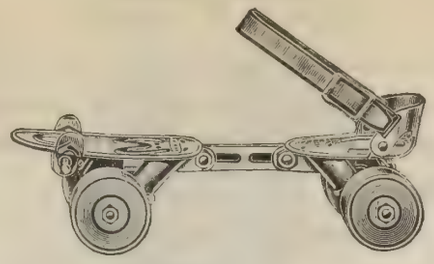
For Boys and Girls.

Extends from 7½ to 10 Inches.

Best cold rolled Swedish steel tops, trucks, clamps and stampings; oscillating, rubber cushion trucks will turn in a three foot circle; half strap heel; clamp toe; plain steel wheels; leather strap; easy adadjusting; average weight per pair, 2¼ pounds.

1 pair in a parcel.

ROLLER SKATES



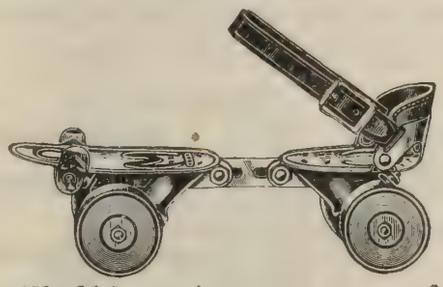
No. 200. List per pair 3.90

Boys'; Ball-Bearing.

Extends from 8 to 10½ inches.

High point carbon steel; tubular axle support; trussed both back and front; extra large **rubber cushions**; self-contained ball bearing wheels 1 15/16 inches diameter; hardened bearing surfaces; narrow clamps; adjustable leather strap rivetted to heel plate; average weight per pair, 4 pounds.

1 pair in a parcel.



No. 100. List per pair 3.90

Girls; Ball-Bearing.

Extends from 8 to 10½ inches.

High point carbon steel; tubular axle support; trussed both back and front; extra large **rubber cushions**; self-contained ball bearing wheels 1 15/16 inches diameter; hardened bearing surfaces; narrow clamps; leather strap and special heel insert; average weight per pair, 4 pounds.

1 pair in a parcel.

ROLLER SKATE WHEELS

No. SP. List per dozen 3.00

Bright, pressed steel; for Nos. 2, 3 and 10 roller skates.

Open stock.

No. K.1. List per dozen 3.30

Bright pressed steel; self-contained ball bearings; for Nos. 100 and 200 roller skates; open stock.

ROLLER SKATE ADJUSTMENT BINDING BOLT NUTS

No. 17. List per dozen ..... .24

Bright steel; threaded; for No. 6 roller skates; open stock.

ROLLER SKATE ADJUSTMENT BINDING BOLT NUTS

No. 69. List per dozen ..... .24

Bright steel; threaded wing nut; for Nos. 2 and 3 roller skates; open stock.

ROLLER SKATE ADJUSTMENT BINDING BOLTS

No. 68. List per dozen ..... .24

Bright steel threaded bolt; for Nos. 2 and 3 roller skates; open stock.

ROLLER SKATE EXTENSION BAR BOLTS AND NUTS

No. K.3. List per dozen ..... .80

Bright steel bolt and hexagon nut; for Nos. 100 and 200 roller skates; open stock.

ROLLER SKATE AXLES

No. 24. List per dozen ..... .60

Bright steel; oval head; 3⅛ inches long; 1/4 inch diameter; drilled for cotter pin; for Nos. 2, 3 and 10 roller skates; open stock.

No. K.4. List per dozen ..... .50

Bright steel; hexagon head; 3¼ inches long, 1/4 inch diameter; for Nos. 100 and 200 roller skates; open stock.

ROLLER SKATE AXLE NUTS

No. K.2. List per dozen ..... .50

Bright steel; hexagon; for Nos. 100 and 200 roller skates; open stock.

ROLLER SKATE ADJUSTING SCREWS

No. K.5. List per dozen 1.60

For Nos. 100 and 200 roller skates; open stock.

ROLLER SKATE KEYS

Bright. List per dozen ..... .70

Bright finish steel bar key; for Nos. 2, and 3 roller skates; open stock.

No. K.6. List per dozen ..... .80

Bright finish, heavy stamped steel; for Nos. 100 and 200 roller skates; open stock.

FISHING RODS

SAMSON STEEL ROD

No. 11. "SAMSON."—

5 -Feet.	Weight 7 oz.	List per dozen	52.80
5½-Feet.	Weight 7¼ oz.	List per dozen	52.80
6 -Feet.	Weight 7½ oz.	List per dozen	52.80
6½-Feet.	Weight 7¾ oz.	List per dozen	52.80
7 -Feet.	Weight 8 oz.	List per dozen	52.80
7½-Feet.	Weight 8¼ oz.	List per dozen	52.80
8 -Feet.	Weight 8½ oz.	List per dozen	52.80
8½-Feet.	Weight 9 oz.	List per dozen	52.80
9 -Feet.	Weight 9¼ oz.	List per dozen	52.80
10 -Feet.	Weight 9½ oz.	List per dozen	52.80

High quality, jointed, tubular steel rods; enamelled in dead black; has three joints and butt; cork grip, metal reel seat; nickel plated mountings; Empire silver snake guides and three ring top; locking reel band; will not reflect the light; carefully made, inspected and tested. 1 in a cloth partition bag.

Embody only the best features and are the most durable steel rods for the price.

WE GUARANTEE THEM

"VIM"

5 -Feet.	Weight 6 oz.	List per dozen	22.80
5½-Feet.	Weight 6¼ oz.	List per dozen	22.80
6 -Feet.	Weight 6½ oz.	List per dozen	22.80
6½-Feet.	Weight 6¾ oz.	List per dozen	22.80
7 -Feet.	Weight 7 oz.	List per dozen	22.80
8 -Feet.	Weight 7½ oz.	List per dozen	22.80
9 -Feet.	Weight 8 oz.	List per dozen	22.80

Steel Bait Rod.

Three-piece with handle; Butt joint; green enamelled; varnished wood handle with beaded grip and grooved for reel seat; snake ring guides; three ring top; nickel plated reel band ferrule.

1 in a cloth partition bag.

BAMBOO FISHING POLES

12 Feet.	List per hundred	14.00
14 Feet.	List per hundred	18.00
16 Feet.	List per hundred	27.00
18 Feet.	List per hundred	34.00
20 Feet.	List per hundred	42.00

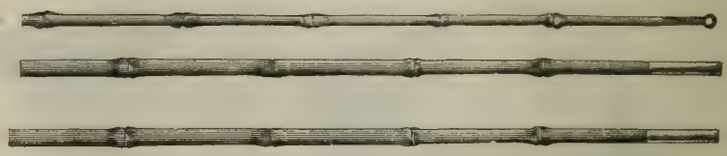
Selected quality Japanese bamboo; tapered; 12 and 14 feet, 100 in a bundle; 16, 18, 20 feet, 50 in a bundle.

No. 30. List per dozen 7.50

Two-Piece Bamboo Rod.

Two-piece Japanese bamboo; plain butt; brass ferrules and tip ring; 7 to 8 feet.

Open stock.



No. 40. List per dozen 14.40

Three-Piece Bamboo Rod.

Three-piece Japanese bamboo; plain butt; brass ferrules and tip ring; 9 feet.

Open stock.

No. 7350. List per dozen 108.00

8½ Feet; Split Bamboo; Fly Rod.

Selected bamboo; three-piece; no extra tip; compressed cork grip; metal reel seat below handle; nickel silver snake guides; ring tip; red windings; welted ferrules; nickel plated mountings; nicely finished; weight each, approximately 4¾ oz.

Each in a partitioned cloth bag.

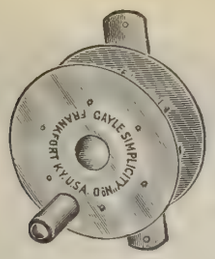
No. 7242. List per dozen 172.80

9-Foot; Split Bamboo; Fly Rod.

Made from selected stock; three-piece and extra tip; solid ringed cork grip; metal reel seat below handle; nickel silver snake guides and angle tip; red silk wound, trimmed with black; machine welted serrated ferrules; nickel plated mountings; well varnished; weight, approximately, 5¼ oz.

Each in a partitioned cloth bag.

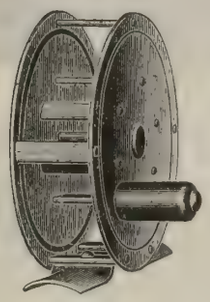
FISHING REELS



No. 10. List per dozen 4.00

Nickel plated, cold rolled steel; 2⅛ ins. diameter; without ratchet; ebonized wood handle; 50 yards capacity; rod attachment on side; a free running reel that takes up the line quickly.

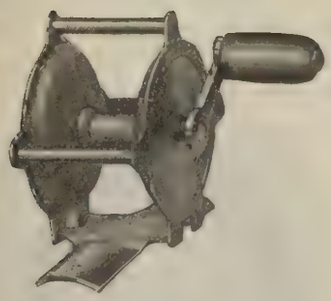
1/2 dozen in a box.



No. 100. List per dozen 10.20

Nickel plated and polished, cold rolled steel; 2½ inches diameter; 15/16 inches wide; 50 yards capacity; fits on reel seat of any rod; single action; without click; free running.

1/2 dozen in a box.

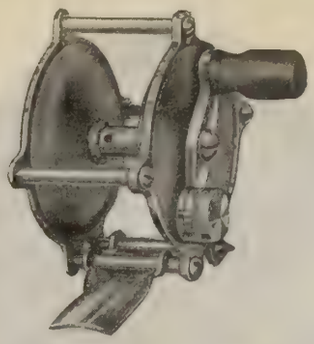


Nos.	204	206
List dozen	12.00	13.20
Capacity, yards	40	60
Disc. diam., ins.	2	2¼
App. wt. doz., lbs.	1¾	2⅛

Single Action.

Strongly constructed brass reel; nickel plated and polished; permanent click; 1 inch raised pillars; improved one-piece cross plate; ebonized wood handle.

1/2 dozen in a box.

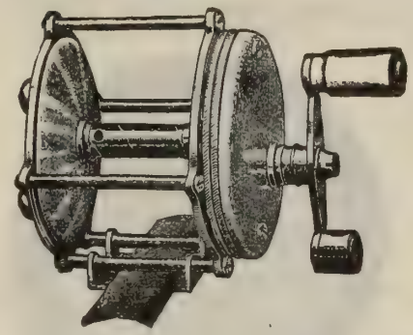


No. 306. List per dozen 26.40

Single Action; 60 Yards Capacity.

Highly polished, nickel plated brass; adjustable back sliding click; balanced crank with ebonized handle; solidly constructed screwed frame; 2¼ inch discs; 1 inch raised pillars; average weight per dozen, packed, 4 pounds.

1/12 dozen in a box.

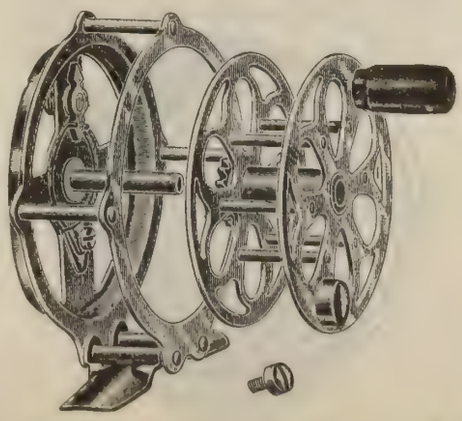


No. 906. List per dozen 30.00

Double Action; 60 Yards Capacity.

Highly polished, nickel plated brass; double multiplying; adjustable slide drag and back sliding click; balanced crank with white handle; solidly screwed frame; 2 inch discs; 1⅜ inch raised pillars; average weight per dozen, packed, 4½ pounds.

1/12 dozen in a box.

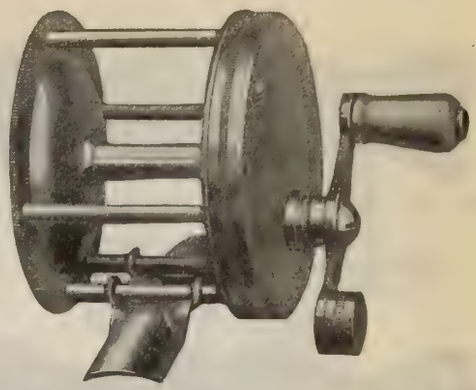


No. 1295. List per dozen 39.60

Single Action; 60 Yards Capacity.

A light weight, high grade reel; made of brass in dull black finish; open frame; removable spool; adjustable back sliding click; balanced, white handle; rivetted frame and reel seat; 2⅜ inch discs; 1 inch raised pillars; average weight per dozen, packed, 4½ pounds.

1/12 dozen in a box.

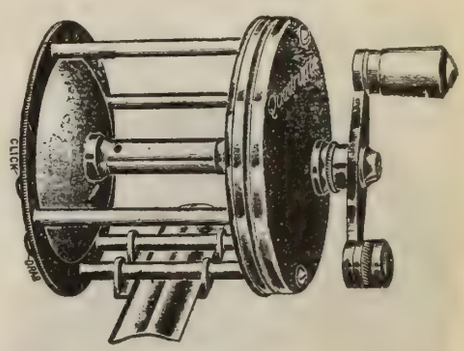


No. 924. List per dozen 42.00

Double Action; 60 Yard Capacity.

Highly polished, nickel plated brass; double multiplying; adjustable slide drag and back sliding click; balanced crank with ebonized handle; solidly built frame; 2 inch diameter discs; 1⅜ inch flush pillars; a popular reel for still fishing and trolling.

1/12 dozen in a box.

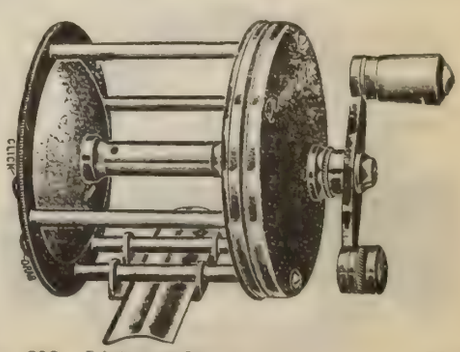


No. 14. List per dozen 48.00

Quadruple Action; 60 Yard Capacity.

Nickel plated, brass, highly polished; well designed; adjustable slide drag and back sliding click; oil cups on front and back; balanced crank with white bone handle; steel pinion; brass pivots; screwed frame; 2 inch discs; 1⅝ inch flush pillars; average weight per dozen, packed, 6½ pounds.

1/12 dozen in a box.



No. 292. List per dozen 72.00

Quadruple Action; 60 Yards Capacity.

Brass, nickel plated and highly polished; carefully finished bearings; spiral gears; adjustable back sliding click; oil cups on front and back; balanced crank with white handle; steel pinion; brass pivots; screwed frame; 2 inch discs; 1⅜ inch flush pillars; average weight per dozen, packed, 6½ pounds.

Each in a box.

FISH LINES

No. 101. List per gross 5.00

"Cabled" Cotton.
White cotton; 6 thread, 15 feet hanks—12 connected.
1/2 gross in a box.

No. 200.	6 thread.	List per gross	4.20
No. 201.	6f thread.	List per gross	4.40
No. 202.	9 thread.	List per gross	5.50
No. 203.	12 thread.	List per gross	6.50
No. 204.	15 thread.	List per gross	8.30
No. 205.	18 thread.	List per gross	10.50

"Cabled" Cotton.
Ecru cotton; dark drab color; 15 feet hanks—12 connected.
1/2 gross in a box.

"ATHLONE."

No. 42. List gross cards 21.60

50 Feet Cards.
A strong hard twisted, smooth finish cotton line that stands up under hard service; assorted colors, white, black and green; on cards, 4 attached; average weight per box, 6½ ozs.
1/12 gross in a box.

"ONTARIO."

Nos.	14	15	16
List gross hanks	15.60	14.00	14.00

25-Feet Hanks.
Eight threads of good quality, long fibre Egyptian cotton with fine silk finish; a good line at a popular price; black and white mottled; also green and drab mixed; average weight per box, 9 oz.
12 hanks connected.
1/2 gross hanks in a box.

"ONTARIO."

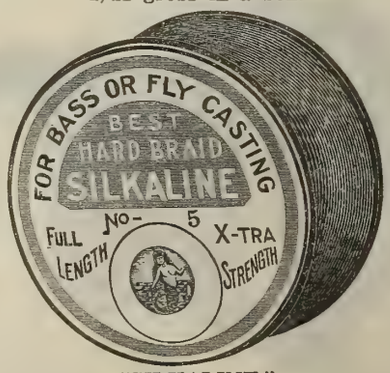
No. 6. List gross cards 27.60

50-Feet Cards; 8 Thread.
Good quality, long fibre Egyptian cotton, with fine silky finish; carries a good gloss; a first class throw line; on cards, 4 connected; black and white mottled colors; average weight per box, 6 ozs.
1/12 gross in a box.

"CRIMSON BEAUTY."

No. 25. List gross cards 15.60

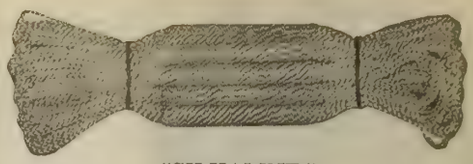
25-Feet Cards; 8 Thread.
Hard braided, Egyptian cotton; finely finished; a good reel line; brown and red colors; on cards, 4 connected; average weight per box, 6 ozs.
1/12 gross in a box.



"SILKALINE."

No. 50. List per gross spools 39.60

50 Feet Spools; 8 Thread.
Highest quality, long fibre, combed Egyptian cotton finished with a fine silky lustre; hard braided and firm; winds well; does not easily snarl or kink; tough and durable; on black enamelled wooden spools, 4 connected; assorted colors of grey and green, green and red, black and green; average weight per box, 18 oz.
1/12 gross in a box.



"SILKALINE."

No. 18. List gross hanks 8.00

15-Feet Hanks.
Highest quality, long fibre, combed Egyptian cotton, finished with a fine silky lustre; hard braided; tough and durable; colors red and green mottled; average weight per box, 7 oz.
12 hanks connected.
1/2 gross in a box.

"S. I. C."

Nos.	366	367	368
List gross loops	66.00	48.00	36.00

Trolling Line; 84-Feet Loops.
Highest quality, long fibre, Sea Island cotton; a strong and serviceable line with a smooth glazed finish; olive and light green mottled colors; average weight per box, 7 ozs.
6 loops connected.
1 dozen loops in a box.

TROLLING WIRE

22 Gauge. List per dozen 8.40

300-Ft. Spools.
Soft copper wire on wooden spools; weight each, about 1½ pounds.
Open stock.
Shown also on Page 180.

"EMERALD."

No. 46. List gross spools 144.00

50 Yard Spools.
Hard twisted from the finest French Coutrai linen stock; evenly twisted; well finished; reels well; emerald green color; on black enamelled wooden spools, 2 connected.
1/12 gross spools in a box.

FISH LINES

BEST IRISH LINEN.

No. 40. List gross cards 54.00

50-Feet Cards; 18-Lb. Test.

Hard braided from best quality Irish linen; will not kink; a first class line; natural color; on cards, 4 attached.

1/12 gross cards in a box.

"EXPERT."

No. 45. List gross spools 108.00

25 Yard Spools; 12 Pound Test.

High quality raw silk line; brown with green colors; a good line at a popular price; on black enamelled wooden spools, 4 connected; average weight per box, 1 pound.

1/12 gross in a box.

ENAMELLED OIL SILK.

No. 30. List 100 yards 3.60

25 Yard Cards; 15 Pound Test.

Best quality China silk; waterproofed and enamelled; hard glossy finish; semi-transparent and strong; light and dark green threads; on cards, 4 connected; average weight per box, 3½ oz.

1 hundred yards (4 cards) in a box.

"NEPTUNE."

No. 31. List 100 yards 4.50

25 Yard Cards; Test 12 Lbs.

Highest quality China silk; thoroughly enamelled, tough, glossy and flexible finish; light and dark green colors; a good seller; on cards, 4 connected; average weight per box, 3 oz.

1 hundred yards (4 cards) in a box.

"HUCKELBERRY FINN."

No. 32. List 100 yards 6.00

25 Yard Cards; 16-Lb. Test.

Highest quality silk, braided with great care; thoroughly waterproofed and finished with a high gloss, elastic enamel; black and white colors; on cards, 4 connected; average weight per box, 3½ oz.

1 hundred yards (4 cards) in a box.

"UNEQUALLED."

No. 34. List 100 yards 6.50

50 Yards Spools; 18-Lb. Test.

Finest quality No. 1 Japanese silk casting line; hard braided; small in size but great tensile strength; solid black color; on black enamelled wooden spools, 2 connected.

100 Yards (2 spools) in a box.

"TIOGA."

No. 60. List 100 yards 6.70

50 Yard Spools; 16-Lb. Test.

Hard braided pure silk casting line; stone brown and bright green colors; first quality; on black enamelled wooden spools, 2 connected; average weight per box, 5½ ozs.

2 Spools (100 yards) in a box.

"DAVID HARUM."

No. 55. List 100 yards 6.70

25 Yard Spools; 20-Lb. Test.

Hard braided of highest quality Japan silk; black and white colors; an excellent caster; winds well; on black enamelled wooden spools, 4 connected; average weight per box, 7½ ozs.

4 Spools (100 yards) in a box.

"ONTRA."

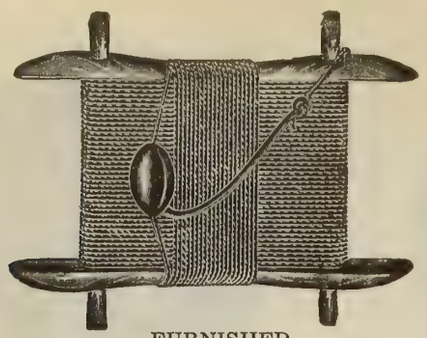
No. 35. List single coil 2.70

30 Yard Coils; 14-Lb. Test.

Made of superior Japan silk, enamelled from the core out with mermaid enamel dressing, flexible and durable; colors, dark green and black.

1/12 dozen coils in a box

FURNISHED FISH LINES



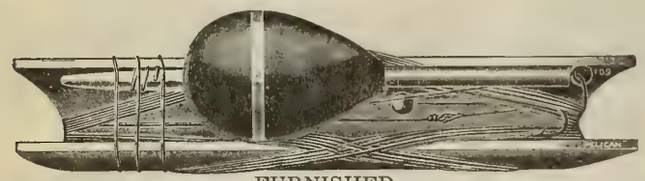
FURNISHED.

No. H20. List per gross 20.40

Line, Sinker, Hook and Winder.

Slate color twisted cotton line 25 feet long, fitted with No. 2 Kirby ringed hook and sinker; on plain wood winder 3¾ x 2 inches.

1/24 gross (6 only) in a box.



FURNISHED.

No. 109. List per gross 24.00

Line, Sinker, Hook, Float and Winder.

Split Japanese cane winder 5 inches long, 1⅛ inch wide; 12 feet cable laid line; 1½ inch egg float enamelled in colors; ringed hook; shot sinker; average weight per box, 1¼ pounds.

1/6 gross in a box.

FISHING BAITS

"FLUTED."

No. 1910— Size	3	4	5
List per dozen	3.00	4.00	5.00
Length blade, inches	1 5/16	1½	2⅛
Width blade, inches	45/64	13/16	1⅛
Average weight dozen, lbs.	1/8	1/4	5/16

Spring brass blade, carefully shaped, polished nickel plated on convex side, and red and satin on concave side; mounted on brass wire shaft with snap loop on each end; file point treble hooks liberally feathered.

1 dozen in a box.

GOLD BOWL.

Nos.	Size.	Size Spoon, inches.	Hook,	App. wt. doz. ,lbs.	List dozen
67	4	1 11/32x13/16	1	1/4	6.00
68	3	1 5/8x7/8	1/0	1/4	7.50
69	2	1 7/8x1/16	2/0	3/8	7.50
70	1	2 3/16x1 1/4	4/0	1/2	8.50
71	1/0	2 11/16x1 7/16	6/0	1/2	8.50

Single Spoon.

B quality brass spoon, lower half gold plated, upper half nickel plated, back painted dull red; filed point treble hooks; spring brass snap and barrel swivel; thickly feathered.

1 dozen in a box.

FISHING BAITS

KIDNEY.

Nos.	84	85	86
List per dozen	4.80	4.80	6.00
Spoon, size	4	3½	3
Spoon size, inches	1 7/16x23/32	1⅝x⅞	1 31/32x31/32
Hook size	1	1	2/0
Average weight dozen, lbs.	1/4	3/8	1/2

B quality brass blade, nickel plated on convex side, red and dull nickel on concave side; mounted on brass wire shaft with snap loop on each end; barrel swivel; file point treble hooks; well feathered.

1 dozen in a box.

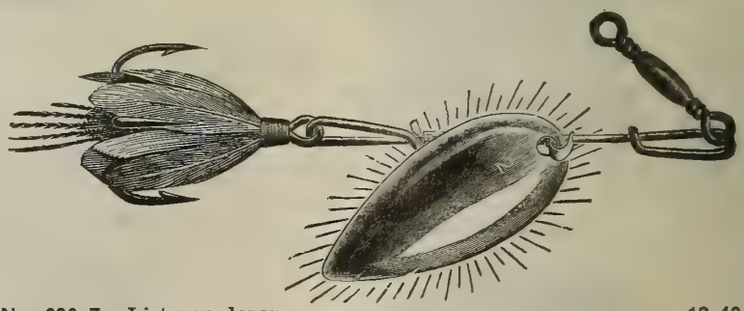
GOLD BOWL.

Nos.	269	271
List per dozen	8.40	10.50
Size	2	1/0
Size spoon, inches	1 7/8x1 1/16	2 11/16x1 7/16
Hook size	2/0	6/0
App. weight dozen, lbs.	5/8	3/4

Double Spoon.

B quality brass spoons, lower half gold plated, upper half nickel plated, back painted dull red; filed point treble hooks; spring brass snap and barrel swivel; thickly feathered.

1 dozen in a box.



No. 636x7. List per dozen 12.40

Four Brothers Muscallonge.

Tempered metal blade, nickel plated and highly polished; 3¼ inches long; mounted with large treble hook; thickly feathered; strong brass wire spring shaft; brass box swivel; average weight each, 2 oz.; each in a carton.

1 dozen in a box.

"PEARL KIDNEY."

No. 667 x 2½. List per dozen 12.00

Salt water pearl blade 1¼ inches long, 11/16 inch wide; polished both sides, bowled and shaped to spin perfectly; mounted with bright treble hook; carefully feathered with fancy feathers; average weight per dozen, 3/4 pound; each in a carton.

1/2 dozen in a box.

FISHING BAITS

No. 3908 x 9. List per dozen 14.40

Single Spoon.

Brass spoon 2 7/16 x 1 1/4 inches; polished nickel and gold on both sides; strong spring brass wire shaft; No. 6/0 hand filed treble hooks; brass barrel swivel; thickly feathered.

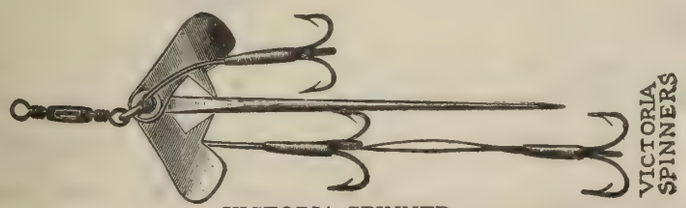
1 dozen in a box.

PEARL WOBBLER.

Nos.	180	195
List per dozen	8.50	17.00
Length, blade, inches	3	3½
App. weight dozen, pounds	1/2	5/8

Made of bright Mother of Pearl; owing to their shape they dart through the water instead of revolving; fitted with split rings and hollow point treble hooks.

3 on a card; 1/2 dozen in a box.



VICTORIA SPINNER.

Nos.	622x3	622x4
List dozen	16.00	17.00
Length, inches	2⅞	3½
For	Salmon	Pike

For fishing with minnows; three hollow point treble hooks securely mounted; plated spinners; brass box swivel.

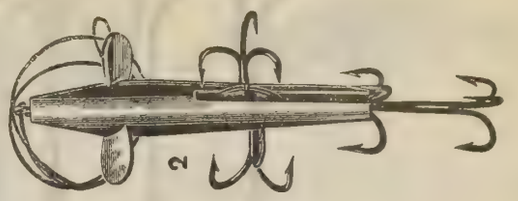
1/12 dozen in a box.

"Phantom." List per dozen 18.00

Minnow.

Canvas body, 3⅞ inches long, dark blue back, aluminized belly, life-like minnow head; three hollow point treble hooks securely mounted; brass box swivel; one in a carton.

1/2 dozen in a box.



"DEVON."

Size, inches	1½	2	2½
Silvered Body. List per dozen	14.40	17.00	18.00
Gold Body. List per dozen	14.40	17.00	18.00

Gold Body.

Metal body; high grade patent mounted ring; brazed heavy hooks, extra heavy swivels and gimp traces; best quality gut leader; hooks attached with split steel rings; each on a card.

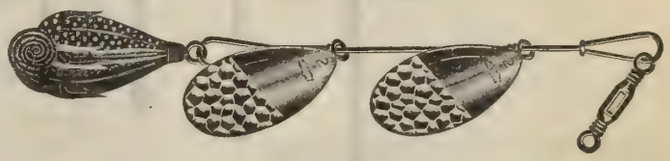
1 dozen in a box.

No. 2904E. List per dozen 22.40

Double Spoon.

Brass spoons; one Monogram size 3, and one size 6, Kawartha, polished nickel and gold on both sides; strong spring brass wire shaft; No. 2/0 hand filed treble hook; brass barrel swivel; thickly feathered.

1 dozen in a box.

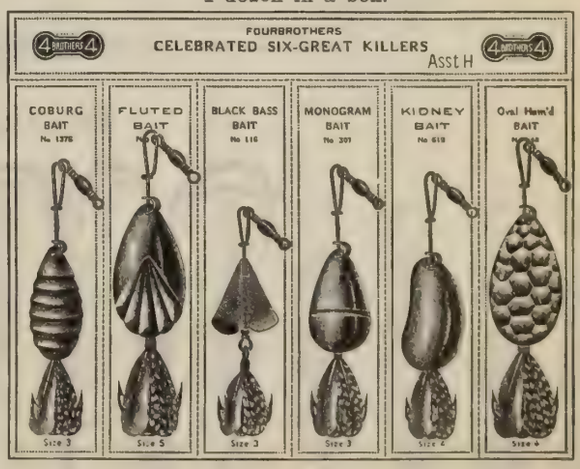


No. 4908 x 6. List per dozen 27.80

Double Spoon.

Brass spoons 1 15/16 x 31/32 inches; polished nickel and gold on both sides; strong spring brass wire shaft; No. 6/0 hand filed treble hooks; brass barrel swivel; thickly feathered.

1 dozen in a box.



No. H. Assortment. List each 3.00

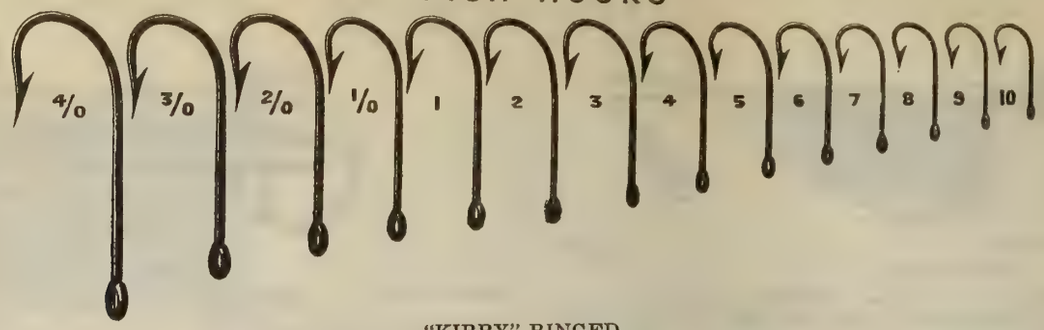
Contains 6 assorted baits mounted on a perforated card 8½ x 6 inches, consisting of the following:

- **No. 1376.** Cobourg Luminous, size 3.
- **No. 110.** Fluted, size 5.
- **No. 116.** Black Bass, size 3.
- **No. 307.** Monogram, Single, size 3.
- **No. 619.** Plain Kidney, size 4.
- **No. 228.** Oval Hammered, size 4.

All fitted with forged treble hooks and liberally feathered. Average weight each, 5 ozs.

Each assortment in a box.

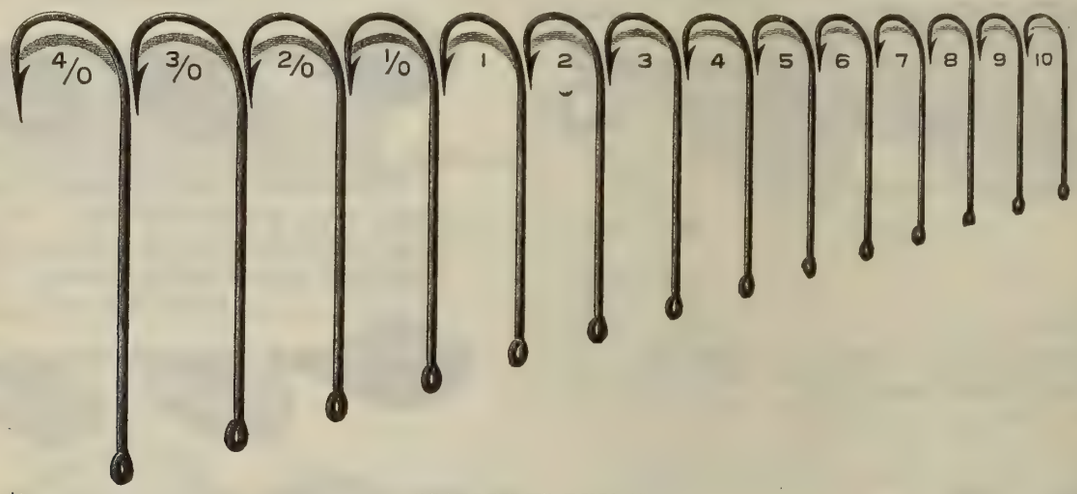
FISH HOOKS



"KIRBY" RINGED.

Nos.	10	9	8	7	6	5	4	3	2
List 1,000	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.30
Nos.	1	1/0	2/0	3/0	4/0	5/0	6/0	7/0	8/0
List 1,000	3.30	3.80	4.20	4.50	5.00	6.00	9.00	12.00	14.00

High quality steel; Japanned finish; 1/10 thousand in a box.

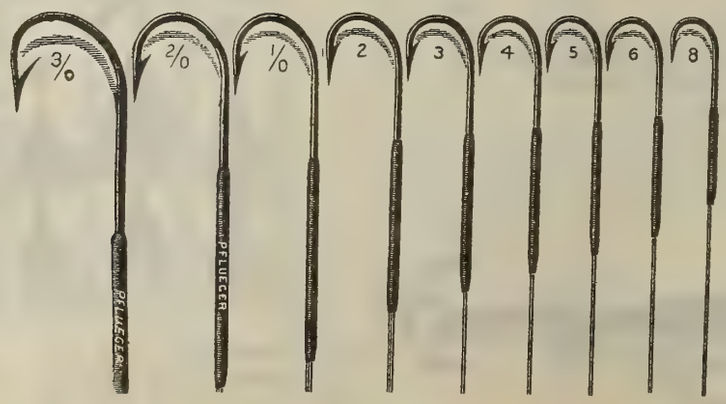


"CARLISLE" RINGED.

Nos.	10	9	8	7	6	5	4	3	2
List 1,000	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
Nos.					1	1/0	2/0	3/0	4/0
List 1,000					4.00	5.00	6.00	7.00	7.20

Fine quality steel wire; spear point; Kirby bend; lacquered.
1/10 thousand in a box.

SNELLED FISH HOOKS



"CARLISLE."

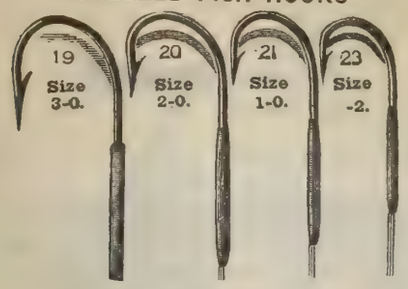
	No. 40. Single Gut.							
Sizes	8	6	5	4	3	1/0	2/0	3/0
List dozen	.60	.60	.60	.70	.70	.60	.70	.70

	No. 100½. Double Gut.					
Sizes	4	3	2	1/0	2/0	3/0
List dozen	.50	.50	.50	.60	.60	.60

Rust proof, crucible steel wire hook; Kirby bend, spear point; selected gut; whipped with linen thread and waterproofed; 1 dozen in a bundle.

12 dozen in a box.

SNELLED FISH HOOKS



"CINCINNATI" BASS.

No. 107, sizes..	23	21	20	19
List per dozen	.90	1.00	1.10	1.20

Double Gut.

Bright crucible steel wire hook; Kirby bend; spear point; double mist color gut whipped with silk and waterproofed; each in an envelope; 1 dozen in a book.

12 dozen in a box.

FISH HOOKS

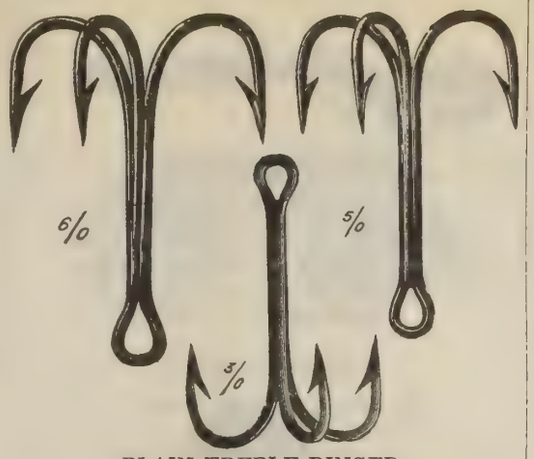
FEATHERED TREBLE.

Nos.	2/0	3/0	4/0	5/0	6/0
List per dozen. ..	1.90	3.20	3.40	4.00	4.40

Fine quality steel wire spear point; bright; fancy water fowl feathers; securely tied.

2/0 and 6/0—1/12 gross in a box.
3/0, 4/0, 5/0—1/4 gross in a box.

FISH HOOKS



PLAIN TREBLE RINGED.

Nos.	2/0	3/0	5/0	6/0
List per gross .	7.20	8.40	9.60	10.80

High quality steel wire; spear points; brazed.

1/4 gross in a box.

GUT LEADERS

No. 651.

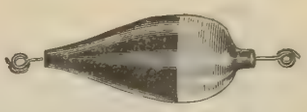
Length, Yards	1	2	3
List per dozen	1.10	2.30	3.20

Single Gut.

Carefully tested, best quality gut casts; blue color; looped at each end.

3 dozen in an envelope.

FISH LINE FLOATS

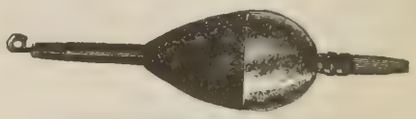


No. 15. List per dozen 1.10

1½ Inch.

Wood float; highly finished in red and green colors; spring steel wire line holders; 2¼ x 7/8 inches.

3 dozen in a box.



No. 7.

Size, inches	1½	1¾	2¼
List dozen	2.50	2.80	4.50
Length, inches	3⅞	4⅛	5½
Diameter, ins.	1	1⅛	1½
App. wt. doz., oz.	4	6	9

Cork

Adjustable, cork, egg shape; wood stick; brass wire line holders; highly finished in two colors; in assorted color combinations; varnished.

1 dozen in a box.

SINKERS

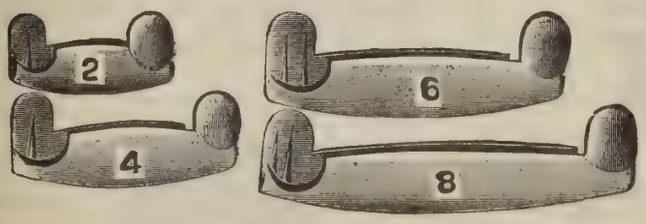
B. B. SHOT.

No. 1800. List per gross boxes 12.00

B. B. split shot, 24 in a wooden box, split for quick use.

Open stock.

SINKERS



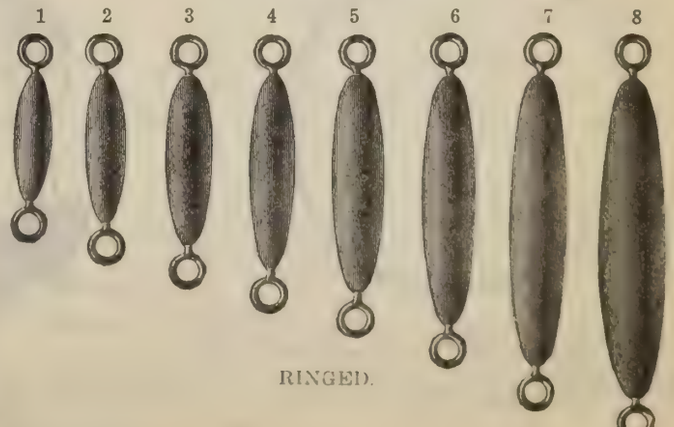
"CLINCH."

Size	2	4	6	8
List per gross	2.80	4.50	7.70	12.50
Average length, inches	9/16	1	1½	2
Average weight gross, pounds	1¼	2¾	4½	4¾

By a turn of the thumb and finger this sinker can be securely fastened to any position on the line; when necessary, it can be as easily removed in the same manner.

Nos. 2 and 4, 1 gross in a box.

Nos. 6 and 8, 1/2 gross in a box.



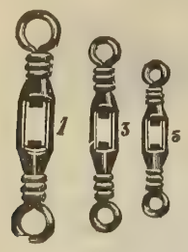
RINGED.

Size	1	2	3	4	5	6	7	8
List per gross	2.00	2.40	2.70	3.50	4.50	6.00	7.20	10.80
Av. length, ins.	7/8	1⅛	1⅛	1¼	1⅜	1¾	1⅞	2
Av. wt., ozs.	1/32	1/16	3/32	1/8	3/16	5/16	7/16	9/16

Bright lead with ring at each end; formed in one continuous wire.

1 gross in a box.

FISH LINE SWIVELS

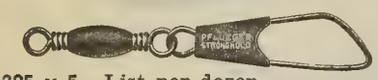


No. 710.

Sizes	1	3	5
List dozen	.60	.60	.60
Length, inches	1¼	1	7/8

English brass box swivels; will not stick or bind at the bearings.

3 dozen in a box.



No. 1325 x 5. List per dozen 1.00

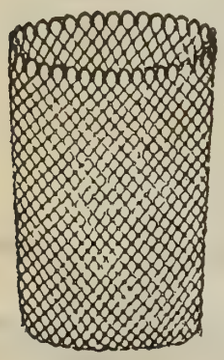
Strong Hold.

Brass barrel swivel; nickel plated spring snap; length over all, 1¾ inches.

1/12 dozen in an envelope.

1 dozen in a box.

LANDING NETS



No. 364½. List per dozen 5.00

Good grade, carefully woven, brown color; 22 inches deep.

Open stock.

LANDING NET RINGS

No. 300. List per dozen 9.00

12-inch diameter; steel wire; one-piece; looped ends.

Open stock.

LANDING NET HANDLES

4-Feet. List per dozen 16.00

Polished bamboo; brass screw socket.

Open stock.

FISH SCALERS

"St. Lawrence." List per dozen 2.20

Tinned.

A simple and practical scraper made of tinned steel; light in weight and durable; 6¾ inches long; 1¾ inch diameter head; average weight per box, 3¾ lbs.

6 dozen in a box.

MINNOW BUCKETS

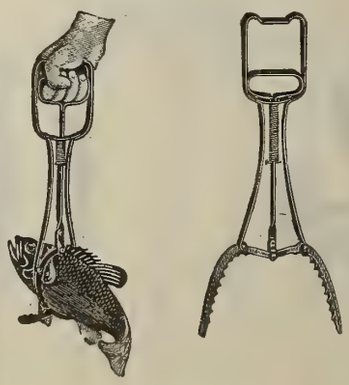
"Mermaid." List per dozen 38.40

10 Quarts; Japanned.

8¾ inches; height, 9½ inches; the inner can containing the bait is made of perforated metal with a cover which locks. The entire cage can be removed from the tank and hung over the side of the boat in the water, thus keeping the minnows in their natural element, and insuring a constant supply of perfectly fresh bait. The top of the cage has an air-tight compartment which renders it buoyant, so the top is just flush with the surface of the water.

Open stock.

CLINCHER GAFFS



MARBLE'S.

No. 321. List per dozen 27.60

Nickel Plated.

Made of polished steel, very strong and durable; will grip and hold any fish from 1/2 to 20 pounds; humane, leaves no ugly holes or tears; safe to use; quick action heavy coil wire jaw spring; length 18 inches, 7½ inches between points, can be locked with points together.

1/3 dozen in a box.

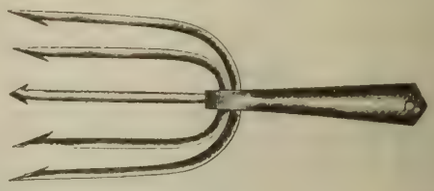
FISH SPEARS

No. 10. List per dozen 12.00

3-Tine; Japanned.

Round steel; spear point tines 3¾ inches long; malleable iron frame and socket; 2¼ inch spread; length over all, 7¼ ins.; average weight per dozen, 3½ pounds.

1/2 dozen in a box.



No. 20. List per dozen 16.50

5-Tine; Japanned.

Round steel, spear point tines, 4 inches long, 3¾ inches spread; malleable iron frame and socket; length over all, 7½ inches; average weight per dozen, 4 pounds.

1/2 dozen in a box.

MARINE CANOE GLUE

JEFFERY'S SPECIAL.

4 Oz. Tins. List per dozen 9.60

Guaranteed Waterproof.

A high grade product, flexible and durable; for quick repairs on canvas or wood canoes; permanent adhesion; in lithographed friction top tins 3 inches diameter, 1½ inches high.

1 dozen in a box.

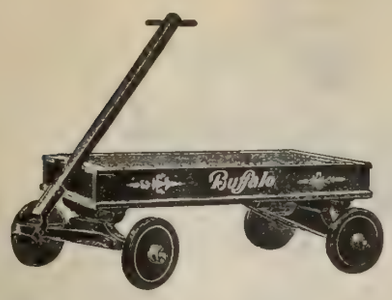
FLY REPELLANT

Fly Repellant. List per dozen 5.40

A compound in paste form, cream in color; will scatter black flies and mosquitoes, also heals and relieves the irritation caused by fly bites; in screw top glass jars 1¾ x 2½ inches; average weight per dozen, 3½ pounds.

1 dozen in a carton.

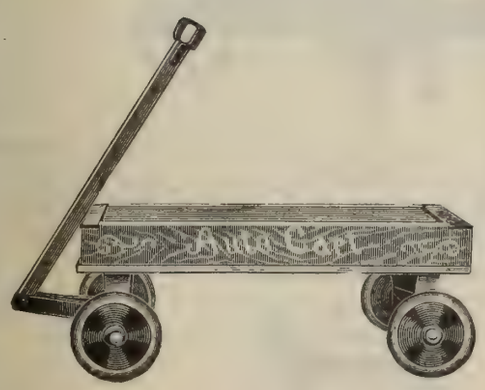
EXPRESS WAGONS



No. 00. List each 7.80

Body, 12 x 28 inches; 6-inch solid wheels; weight each, about 18 lbs.; steel axles; solid wood wheels, band steel tires; all steel parts japanned and baked; two steel braces support rear bolster; handle fitted on same as large coasters; strong, easy-running and attractive in appearance; bed is well seasoned hardwood, finished natural color and ornamented in bright vermillion.

2 in a carton.



AUTO CART

Nos.	14	15	16
List each	5.20	8.40	9.20
Wheels	Wood	Steel	Steel
Body, inches	9x19	12x24	12x28
Diameter wheel, inches	4	6	6
Weight carton, lbs.	13	31	36

Rubber Tire Disc Wheels; Roller Bearing.

A well made wagon, speedy and sturdy; selected hard-wood parts varnished and red decorated; thoroughly braced; auto-type hub caps; self-contained roller bearings.

2 in a carton.

EXPRESS WAGONS

AUTO WHEEL COASTER

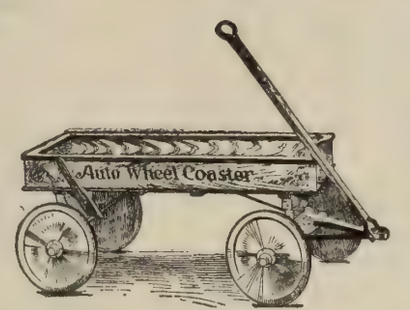
No. 01. List each 10.50

Spoke Wheels; Roller Bearing.

Strongly made; wood parts are of selected hardwood varnished natural and decorated in bright red; mitred spokes; easy running and attractive.

Size:—Body 12 x 30 inches; wheels 8 inches diameter; average weight each, 20 pounds.

2 in a carton.



AUTO WHEEL COASTER

Nos.	10	20	30
List each	11.80	12.90	14.30
Wheels, inches	8	10	10
Body, inches	14x32	14x34	16x38
App. weight each, lbs.	31	35	38

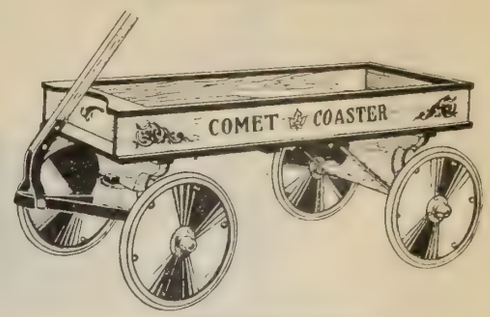
Steel Disc Wheels; Roller Bearing.

Speedy—Staunch—Sturdy—Dependable.

The Auto-Wheel Coaster Disc Wheel is of the steel type and interchangeable with the spoke wheel Auto Wheel Coasters, taking an eight or ten-inch size. The wooden parts are of thoroughly seasoned hardwood, attractively varnished and painted; securely bolted.

One in a corrugated cardboard carton.

EXPRESS WAGONS



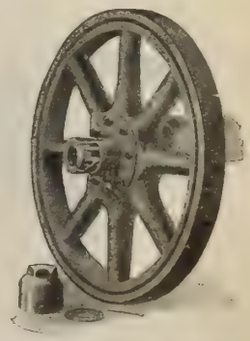
COMET COASTER

Nos.	100	110	120	130
List each	8.00	9.50	11.80	13.50
Wheels, inches	8	8	10	10
Body, inches	12x26	12x30	14x34	14x38

Steel disc wheels, 5/8 inch rubber tires, aluminum hub caps; roller bearings; 1/2 inch cold rolled steel axles; selected hardwood body; natural finish varnished and trimmed with red; tongued and grooved bottom, on piece sides; well braced.

2 in a crate.

PARTS FOR AUTO WHEEL COASTER WAGONS



OPEN SPOKE WHEELS

8-inch. List each 2.00
10-inch. List each 2.20
12-inch. List each 2.50

Red painted wood wheels with steel tire and roller bearings.

STEEL DISC WHEELS

8-inch. List each 2.00
10-inch. List each 2.20

Interchangeable with any auto coaster wagon taking 8 or 10 inch wheels.

DUST CAPS

Dust Caps. List per 100 ..... 4.00

Pressed steel; 1 3/16 inch diameter; 1/2 inch hole.

BEARINGS

Roller Bearings. List per 100 ..... 1.30

Fine tempered steel; 2 inches long, 5/16 inch diameter.

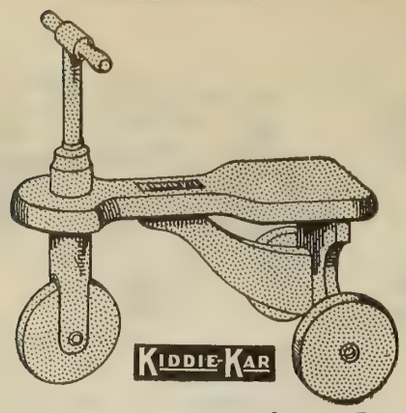
AXLES

Nos.	1	2	3	4
List each	.80	.80	.80	.80
Length, ins.	18¾	18¾	20¾	22¾

Tempered steel 1/2 inch diameter; drilled for cotter pins and bolts.

Open stock.

KIDDIE-KARS

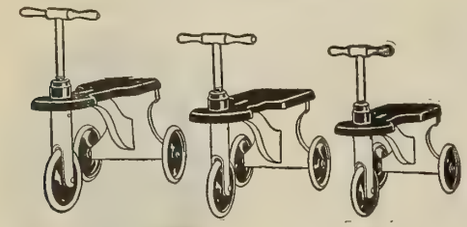


Nos.	2	3	4	5
List each	3.00	3.68	4.32	5.00
Length, inches	17	17½	20	22
Width, inches	6½	7	8	8
Wheels, inches	4¾	5¼	6¼	7
App. weight each, pounds	4½	5	6½	7½
Mfs. Std. list	2.25	2.75	3.25	3.75

Hardwood Wheels.

A popular childrens' toy; strongly made throughout; basswood seat; maple wheels; attractively finished in bright yellow and red.

12 in a crate.



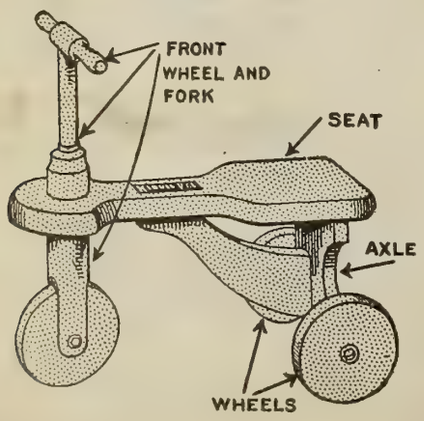
Nos.	102	103	104	105
List each	4.68	5.32	6.32	7.00
Length, inches	17	17½	20	22
Width, inches	6½	7	8	8
Wheels, inches	4½	5	6	7
App. weight each, pounds	4	4½	6	7
Mfs. Std. list	3.50	4.00	4.75	5.25

Rubber Tire "Disco" Steel Wheels.

The finish of this Kiddie-Kar is extra attractive; has combination of yellow and red colors; all woodwork is filled, enamelled and finished with a final coat of spar varnish.

12 in a crate.

KIDDIE-KAR PARTS



For Kiddie-Kar No.	2	3	4
Prices are list per dozen.			
Front wheels and forks	6.00	8.00	9.60
Extra Wheels	4.00	5.60	7.20
Axles	4.80	5.60	7.20
Seats	14.00	19.20	28.80

All open stock.

TRAILERS

Kiddie-Kar. List each 2.00

A sturdily made wagon which can be attached to any Kiddie-Kar with bolt and nut which come with the trailer; heavy wood box, painted bright yellow, 16 inches long, 7½ inches wide, 3½ inches deep; maple wheels painted bright red; height over all, 10½ inches; average weight each, 3½ pounds.

Paper wrapped.

KOASTERS OR SCOOTERS

"K.K." List each 3.50

Built of basswood and hardwood, handsomely finished in light orange, with black wheels. It steers very easily and can be used by boys or girls from 4 to 12 years; 30 inches long, 7½ inches wide; seat, 6 x 8 inches; height of seat, 12½ inches; 3-inch iron wheels; handle, 22 x 1⅛ ins.

Open stock.

BOYS' WHEEL BARROWS

Little Giant. List each 4.50

Painted Red.

Made of hardwood, with bolts passing underneath the bottom of barrow from side to side, making it extra strong, length over all, 36 inches; height, 12 inches; width, 17 inches.

CHILDRENS' TOY PAILS

Nos.	Diameter, ins. Top.	Bottom.	Height, ins.	App. wt. doz., lbs.	List per dozen.
231	5	3½	5¼	10	4.50
232	5½	4½	6	12	5.70

Built of heavy gauge galvanized metal; attractively striped in red; all seams hand soldered and water tight; neatly designed ears and heavy wire bail.

4 dozen in a carton (with spades).

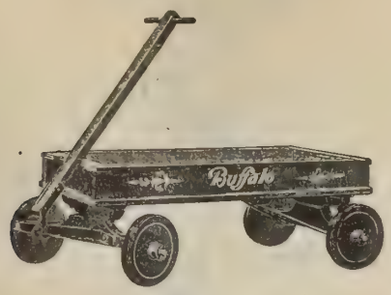
CHILDRENS' SAND SHOVELS

No. 235. List per dozen 1.90

The blade is made from heavy gauge galvanized metal rigidly formed, 3⅜ inches wide; length over all, 12 inches; plain wood handle securely held in place.

4 dozen in a carton (with pails).

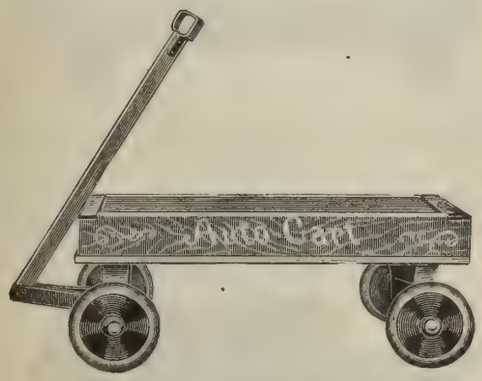
EXPRESS WAGONS



No. 00. List each 7.80

Body, 12 x 28 inches; 6-inch solid wheels; weight each, about 18 lbs.; steel axles; solid wood wheels, band steel tires; all steel parts japanned and baked; two steel braces support rear bolster; handle fitted on same as large coasters; strong, easy-running and attractive in appearance; bed is well seasoned hardwood, finished natural color and ornamented in bright vermillion.

2 in a carton.



AUTO WHEEL COASTER

Nos.	14	15	16
List each	5.20	8.40	9.20
Wheels	Wood	Steel	Steel
Body, inches	9x19	12x24	12x28
Diameter wheel, inches	4	6	6
Weight carton, pounds	13	31	36

Rubber Tire Disc Wheels; Roller Bearing.

A well made wagon, speedy and sturdy; selected hardwood parts varnished and red decorated; thoroughly braced; auto-type hub caps; self-contained roller bearings.

2 in a carton.

AUTO WHEEL COASTER

No. 01. List each 10.50

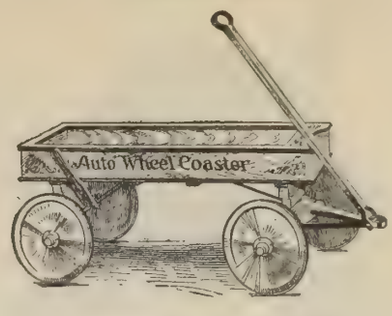
Spoke Wheels; Roller Bearing.

Strongly made; wood parts are of selected hardwood varnished natural and decorated in bright red; mitred spokes; easy running and attractive.

Size:—Body 12 x 30 inches; wheels 8 inches diameter; average weight each, 20 pounds.

2 in a carton

EXPRESS WAGONS



AUTO WHEEL COASTER

Nos.	10	20	30
List each	11.80	12.90	14.30
Wheels, inches	8	10	10
Body, inches	14x32	14x34	16x38
App. weight each, pounds	31	35	38

Steel Disc Wheels; Roller Bearing.

Speedy—Staunch—Sturdy—Dependable.

The Auto-Wheel Coaster Disc Wheel is of the steel type and interchangeable with the spoke wheel Auto Wheel Coasters, taking an eight or ten-inch size. The wooden parts are of thoroughly seasoned hardwood, attractively varnished and painted; securely bolted.

One in a corrugated cardboard carton.

PARTS FOR AUTO WHEEL COASTER WAGONS

OPEN SPOKE WHEELS

8-inch. List each 2.00

10-inch. List each 2.20

12-inch. List each 2.50

Red painted wood wheels with steel tire and roller bearings.

DUST CAPS

Dust Caps. List per 100 ..... 4.00

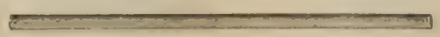
Pressed steel; 1 3/16 inch diameter; 1/2 inch hole.

BEARINGS

Roller Bearings. List per 100 ..... 1.30

Fine tempered steel; 2 inches long, 5/16 inch diameter.

AXLES

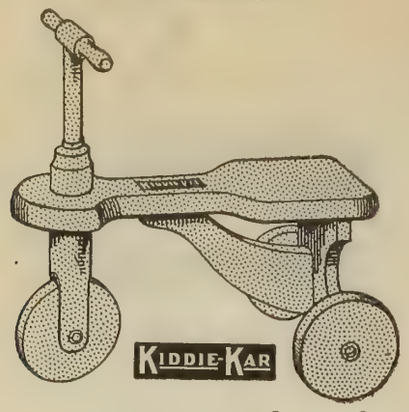


Nos.	1	2	3	4
List each	.80	.80	.80	.80
Length, inches	18¾	18¾	20¾	20¾
For Wagons Nos.	1, 10	2, 20	3, 30	4, 40

Tempered steel 1/2 inch diameter; drilled for cotter pins and bolts.

Open stock.

KIDDIE-KARS

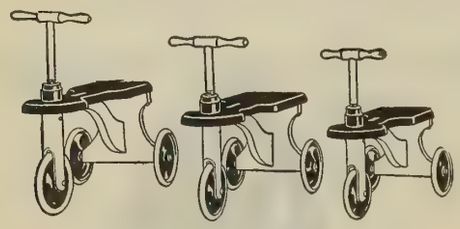


Nos.	2	3	4	5
List each	3.00	3.68	4.32	5.00
Length, inches	17	17½	20	22
Width, inches	6½	7	8	8
Wheels, inches	4¾	5¼	6¼	7
App. weight each, pounds	4½	5	6½	7½
Mfs. Std. list	2.25	2.75	3.25	3.75

Hardwood Wheels.

A popular childrens' toy; strongly made throughout; basswood seat; maple wheels; attractively finished in bright yellow and red.

12 in a crate.



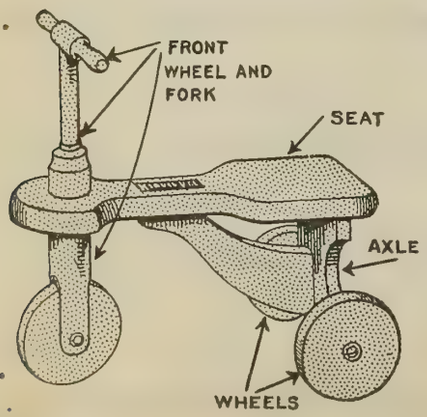
Nos.	102	103	104	105
List each	4.68	5.32	6.32	7.00
Length, inches	17	17½	20	22
Width, inches	6½	7	8	8
Wheels, inches	4½	5	6	7
App. weight each, pounds	4	4½	6	7
Mfs. Std. list	3.50	4.00	4.75	5.25

Rubber Tire "Disco" Steel Wheels.

The finish of this Kiddie-Kar is extra attractive; has combination of yellow and red colors; all woodwork is filled, enamelled and finished with a final coat of spar varnish.

12 in a crate.

KIDDIE-KAR PARTS



For Kiddie-Kar No.	2	3	4
Prices are list per dozen.			
Front wheels and forks	6.00	8.00	9.60
Extra Wheels	4.00	5.60	7.20
Axles	4.80	5.60	7.20
Seats	14.00	19.20	28.80

All open stock.

TRAILERS

Kiddie-Kar. List each 2.00

A sturdily made wagon which can be attached to any Kiddie-Kar with bolt and nut which come with the trailer; heavy wood box, painted bright yellow, 16 inches long, 7½ inches wide, 3½ inches deep; maple wheels painted bright red; height over all, 10½ inches; average weight each, 3½ pounds.

Paper wrapped.

KOASTERS OR SCOOTERS

"K.K." List each 3.50

Built of basswood and hardwood, handsomely finished in light orange, with black wheels. It steers very easily and can be used by boys or girls from 4 to 12 years; 30 inches long, 7½ inches wide; seat, 6 x 8 inches; height of seat, 12½ inches; 3-inch iron wheels; handle, 22 x 1⅛ ins.

Open stock.

BOYS' WHEEL BARROWS

Little Giant. List each 4.00

Painted Red.

Made of hardwood, with bolts passing underneath the bottom of barrow from side to side, making it extra strong, length over all, 36 inches; height, 12 inches; width, 17 inches.

CHILDRENS' TOY PAILS

Nos.	Diameter, ins. Top.	Diameter, ins. Bottom.	Height, ins.	App. wt. doz., lbs.	List per dozen.
231	5	3½	5¼	10	5.50
232	5½	4½	6	12	5.70

Built of heavy gauge galvanized metal; attractively striped in red; all seams hand soldered and water tight; neatly designed ears and heavy wire bail.

4 dozen in a carton (with spades).

CHILDRENS' SAND SHOVELS

No. 235. List per dozen 1.90

The blade is made from heavy gauge galvanized metal rigidly formed, 3⅜ inches wide; length over all, 12 inches; plain wood handle securely held in place.

4 dozen in a carton (with pails).

CHILDRENS' HOOPS

30-inch. List per dozen 8.00

1¼ inch round iron hoop; 30 inches diameter; attached guide with red stained wood grip.

Open stock.

CHILDRENS' BATS

Kiddie Bats. List per dozen 2.20

A small flat bat for the children; made of 1/4 inch selected hardwood; varnished blade, decorated in black; red enameled handle; 20½ inches long; 4¼ inches wide.

Open stock.

RUBBER BALLS

"Sport." List per dozen 4.50

The Ball You Cannot Burst.

2¼ inches diameter; highest grade rubber cover, in assorted colors; compressed sponge inner; practically indestructible; punctures do not affect it; average weight per dozen, 2½ pounds.

1 dozen in a display box.

RUBBER BALLS

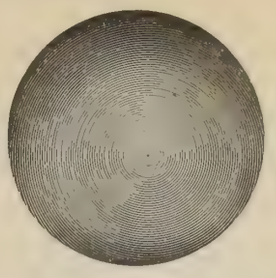
Sorbo Bouncer. List per dozen 5.50

Made in England; The Ball You Cannot Burst.

2¼ inches diameter; highest grade heavy pure rubber cover, in assorted colors; compressed sponge inner; extremely lively; great resiliency; high bouncing; practically indestructible; punctures do not effect it.

1 dozen in a display box.

GAS INFLATED RUBBER PLAY BALLS



Nos.	SR4519	SR4520	SR4530
List per dozen	1.30	2.30	2.30
Diameter, inches	2⅛	2¾	2¾
Color	Black	Black	Grey

Black or Grey; Gas Inflated.

Heavy walls of extra quality rubber; filled with special gas making them very lively; high bouncing; made by special process, they are a decided improvement, and will retain their resiliency longer than the ordinary balls.

1 dozen in a box.

Nos.	SR4510	SR4513	SR4514	SR4515	SR4516	SR4517
List dozen	2.30	5.30	9.50	13.50	19.20	30.00
Diameter, ins.	2¾	3⅜	4	5	5	7
Doz. in a box	1	1	1	1/2	1/3	1/12

Marbleized; Gas Inflated.

Extra quality, heavy rubber walls mottled in red, white and blue; colors are right in the rubber and will not rub off or crack; lively and high bouncing; a superior product made by improved process.

Packed as above.

Nos.	SR4533	SR4535	SR4536
List dozen	5.50	11.00	16.80
Diameter, inches	3⅜	5	6
Dozen in a box	1	1/2	1/3

Educational; Gas Inflated.

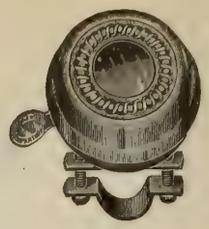
Finest white rubber, heavy walls, with alphabet, figures and popular nursery rhymes moulded in the rubber; lively and high bouncing; a popular style; made by special process.

Packed as above.

BICYCLE BELL ASSORTMENTS

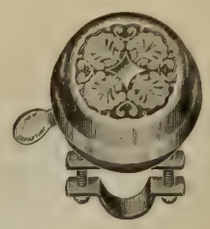
Pocahontas.

Horse.


Grecian.

Boy Scout.

Bull Dog.


Scroll.

Mascot Assortment. List each 10.80

Contains 1 dozen Bells.

2 Pocahontas; 2 Horse; 2 Grecian; 2 Boy Scout; 2 Bull Dog; 2 Scroll; 2½-inch; Rotary Electric Stroke; flat top decorated gongs. The gongs are steel and electrically welded to the hub of the bell; the tone is pure, penetrating and pleasing; adjustable clamp; approzimate weight per assortment, 4 pounds. Each bell in a carton.

1 assortment in a box.

BICYCLE BELLS

No. L. P. 2. List per dozen 7.50

2 inch; Rotary Electric Stroke; wrought steel gong; nickel plated; adjustable clamp; approximate weight per dozen, 3 pounds; each in a carton.

1 dozen in a box.

No. L. F. 2 1/8. List per dozen 11.50

2⅛-inch Rotary Electric Stroke; Bell Metal Gong; ornamented with Eagle and scroll design in strong relief; nickel plated; adjustable clamp; approximate weight per dozen, 3¼ pounds; each in a carton.

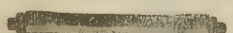
1 dozen in a box.

No. 403. List per dozen 13.20

2¼ inch gong push button, continuous ringing clockwork stroke; will ring continuously for 45 seconds; plain wrought steel gong; nickel plated; adjustable clamp; approximate weight per dozen, 4¾ pounds; each in a carton.

1 dozen in a box.

BICYCLE PUMP CONNECTIONS

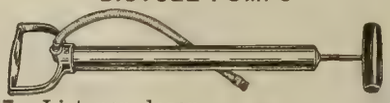


Nos.	12	17
List dozen	3.50	3.80
Length, inches	5¼	12½
For pumps	12	17

Extra uniform quality black rubber tubes; white metal nipples.

Open stock.

BICYCLE PUMPS



No. 17. List per dozen 16.00

Nickel Plated.

Seamless brass barrel 12½ inches long, 1¼ inches diameter; 1/4 inch pump rod with ebonized wood grip; malleable iron screw base; rubber connecting tube 12½ inches long; length over all 17¾ inches; average weight per dozen, 13 pounds.

1/12 dozen in a carton.

No. 12. List per dozen 14.40

Telescope Frame.

Nickel plated steel barrel 10 x 13/16 ins.; 5 inch rubber connection; adjustable frame clamp; average weight per dozen, 6 pounds.

1 in a carton.

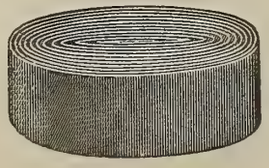
TROUSER GUARDS

Trouser Guards. List per gross 13.00

Corrugated spring steel; japanned; average weight per gross, 6 pounds.

1/4 gross in a box.

FRICTION TAPE OR TIRE TAPE



Nos.	1	2	4	8
List pound	1.14	1.14	1.14	1.10
Rolls to pound	16	8	4	2

3/4 Inch.

Best quality, 3/4 inch black tape; self-sticking; will not dry out; each roll wrapped in tin foil.

Nos. 1, 2:—One pound in a carton.
Nos. 4, 8:—Each in a carton.

BICYCLE WRENCHES

See Page 150.

INSULATION—TIRE TAPE

HOLFAST.

1/2 Pound Rolls. List pound 2.00

"2-Plex" Rubber and Friction Tape.

A combination rubber and friction tape; 3/4 ins. wide; one side has a high grade red color rubber compound, reverse side is black fabric friction tape of finest quality, with best adhesive and insulating mixtures; carefully protected with Holland linen strip; efficiently takes the place of both friction and rubber tapes; each roll carefully wrapped in tin-foil and packed in a carton.

Cartons are open stock.

RUBBER CEMENT

"DUNLOP."

Size	3/4x4	1x4
List per dozen	1.30	1.70
Diam. tube, inches	3/4	1
Dozen in a carton	2	1
App. wt. carton, lbs.	2	1½

In Collapsible Tubes.

Pure rubber cement; incomparable for adhesive qualities; in liquid form; for patching or repair work; tubes have screw caps to prevent deterioration; 4 inches long over all.

Packed as above.

Shown also on Page 208.

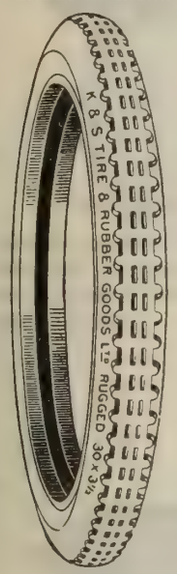
K. & S. AUTOMOBILE TIRES

MADE FOR MILEAGE

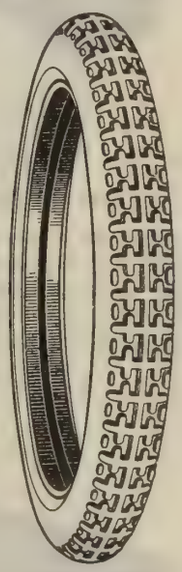
The Tires that have the Material and Workmanship in their Composition which Insures the Greatest Mileage and Safety.

Made up in regular clincher and straight side, of highest quality selected materials; built up by hand layer over layer. Every tire bearing the makers name and serial number is warranted by them to be free from defects in workmanship or material.

Tires claimed defective must be reported direct to the makers, The K. &. S. Tire & Rubber Goods Co., 527 Yonge St., Toronto, who will give instructions regarding them. The makers maintain a staff of specially trained adjusters and insist that all claims be made direct to them.



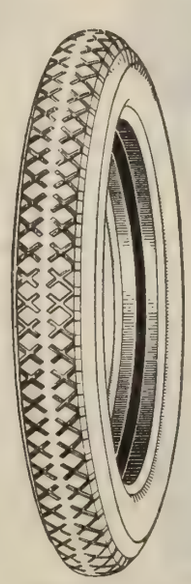
Rugged Fabric



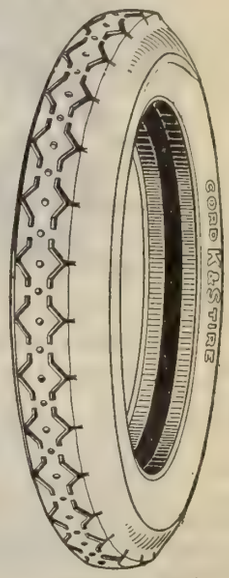
Cross Fabric

Ribbed Fabric

Cross Country Cord



Regular Cord



Supreme Cord

RUGGED FABRIC TIRES

Size, ins.	Standard consumers price list	List each
30 x 3½	14.00	20.37

RIBBED FABRIC TIRES

Size, ins.	Standard consumers price list	List each
30 x 3½	14.00	20.37

CROSS FABRIC TIRES

Size, ins.	Standard consumers price list	List each
30 x 3½	16.50	24.02
31 x 4	23.00	33.48

REGULAR CORD TIRES

Standard size and quality.

Size, ins.	Standard consumers price list	List each
30 x 3½	19.50	28.38
31 x 4	35.00	50.93
32 x 4	38.60	56.16
33 x 4	39.70	57.77
32 x 4½	49.90	72.60
33 x 4½	51.95	75.60
34 x 4½	52.50	75.39

CROSS COUNTRY CORD TIRES

Size, ins.	Standard consumers price list	List each
30 x 3½	16.50	24.00
31 x 4	28.00	40.76
32 x 4	30.85	44.90
33 x 4	31.85	46.36
34 x 4	32.90	47.88
32 x 4½	40.35	58.72

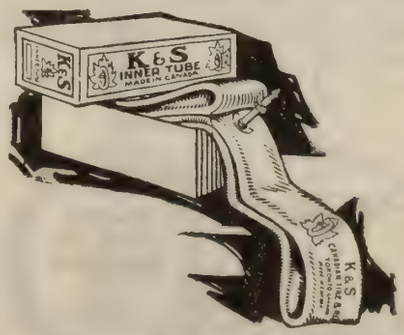
SUPREME CORD

Special quality and strength.

Size, ins.	Standard consumers price list	List each
30 x 3½	20.50	29.83
32 x 3½	31.80	45.37
31 x 4	37.60	54.71
32 x 4	41.50	60.38
33 x 4	42.65	62.06
34 x 4	43.85	63.82
32 x 4½	52.40	76.44
33 x 4½	54.55	79.38
34 x 4½	55.15	80.26
35 x 4½	56.40	82.06
33 x 5	64.90	94.44
34 x 5	67.25	97.86
35 x 5	68.85	100.18
37 x 5	71.80	104.48

AUTOMOBILE TUBES

"K. & S."

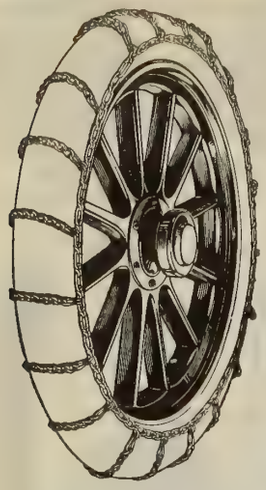


Like the "K. & S." tires, these tubes have been on the market for a number of years and have earned a reputation that is second to none for mileage. You can make no mistake in offering them to your customers; each tube carefully packed in a box.

Size, inches	30x3½	32x3½	31x4	32x4	33x4	34x4	32x4½	33x4½	34x4½	35x4½	33x5	34x5	35x5	37x5
Regular Grey—														
List each	3.60	3.94	5.02	5.36	5.50	5.84	6.66	....	....	....	....	....	....	....
Consumers Standard list	2.65	2.90	3.70	3.95	4.05	4.30	4.90	....	....	....	....	....	....	....
Regular Red—														
List each	4.28	....	5.72	....	....	....	....	....	....	....	....	....	....	....
Consumers Standard list	3.15	....	4.20	....	....	....	....	....	....	....	....	....	....	....
Supreme Cord—														
List each	5.16	5.30	5.72	6.46	6.66	7.88	8.22	8.56	8.90	9.52	9.84	10.20	10.26	10.54
Consumers Standard list	3.80	3.90	4.20	4.75	4.90	5.80	6.05	6.30	6.55	7.00	7.25	7.50	7.55	7.75

AUTOMOBILE ACCESSORIES

TIRE CHAINS



"RID-O-SKID."

Size, ins.	30x3½	31x4	32x3½	32x4
List pair	5.64	6.15	5.94	6.38
Mfs. Std. list	3.75	4.10	3.95	4.25

Size, ins.	33x4	34x4
List pair	6.75	7.13
Mfs. Std. list	4.50	4.75

"Rid-O-Skid" Auto Chains are offered as an anti-skid device to meet the requirements of those to whom initial cheapness is the chief consideration. They are necessarily not so good a quality as the "Weed" Chains, but will give good satisfaction.

One pair in a canvas bag.

"WEED."

Size, ins.	30x3½	31x4	32x3½	32x4½
List pair	9.00	10.88	9.90	13.14
Mfs. Std. list	6.00	7.25	6.60	8.75

Size, ins.	33x4	34x4	34x4½	35x4½
List pair	11.62	12.75	13.88	14.64
Mfs. Std. list.	7.75	8.50	9.25	9.75

"Every Weed is Guaranteed."

A first grade anti-skid device, excellently made throughout of finest materials; cross chains are made of special stock and the links are smoothly welded; they are diamond hard, yet not brittle, combining great strength and wearing quality; side chains made of heavy wire of high tensile strength, and heavily galvanized to prevent rusting.

One pair in a canvas bag.

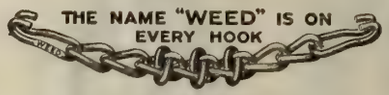
CROSS CHAINS

"WEED."

Size, ins.	3½	4	4½
List each	.18	.18	.20
Mfs. Std. list	.11	.12	.13

Made of special stock with smooth welded links; strong hooks; used for replacing broken cross chains.

Open stock.



"WEED DE-LUXE"

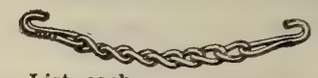
Size, inches	3½	4
List each	.23	.26
Mfs. Std. list	.15	.17

Brassed Finish.

An extra service cross chain of highest quality stock with smooth welded links; has reinforcing links super-imposed on the main cross links which prevent breaking from excessive strain, increase traction and more than double the mileage; strong hooks; used for replacing broken cross chains.

Open stock.

TRUCK CROSS CHAINS



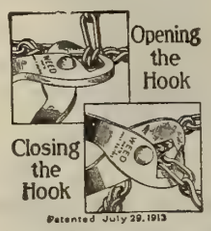
3½-Inch. List each ..... .33

For Solid Tire Truck Chains.

Extra heavy bright steel, electric welded twisted links; open hooks; length 10½ inches; weight each, 3/4 pound.

50 in a box.

TIRE CHAIN PLIERS



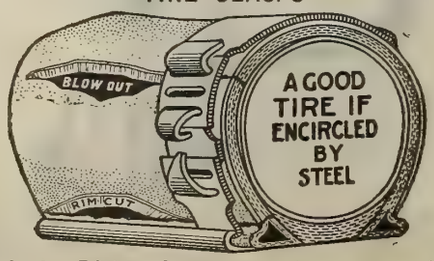
"Weed." List per dozen 16.00

Length over all, 10 inches; polished jaws and head, blued handle, lacquered; for opening and closing the hooks on automobile cross chains; average weight per dozen, 10½ pounds.

2 dozen in a box.

Shown also on Page 143.

TIRE CLASPS



3½-Inch. List each 1.10

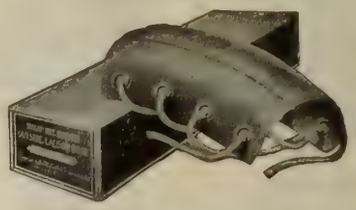
Clincher.

Black japanned heavy steel; hinged main plate with adjusting loops; will reinforce, protect, and repair any length section of any pneumatic tire, whether blow-out, rim-cut, stone-bruised or worn thin and weak.

Average weight per box, 3½ pounds.

6 in a box.

TIRE PROTECTORS



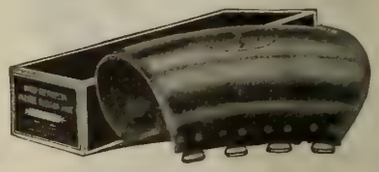
"DUNLOP."

No. 1L. List per dozen 21.60

Lace on; for 3½-inch Tires.

A three-ply rubber-covered fabric outside patch for temporary repairs; equipped with black japanned eyelets and strong cord lace; laces tightly round the cover and felloe of wheel.

1/12 dozen in a box.



"DUNLOP."

No. 1H. List per dozen 18.00

Hook On; for 3½ Inch Tires.

A three-ply rubber-covered outside patch for temporary repairs; equipped with securely rivetted steel hook clamps which hook under the bead of the tire. The pressure against the boot retains it in a fixed position; quick and easy to attach.

1/12 dozen in a box.

"DUNLOP."

No. 2H. List per dozen 21.00

Hook On; for 4-Inch Tires.

A three-ply rubber-covered outside patch for temporary repairs; equipped with securely rivetted steel hook clamps which hook under the bead of the tire. The pressure against the boot retains it in a fixed position; quick and easy to attach.

1/12 dozen in a box.

AUTOMOBILE ACCESSORIES

TUBE PROTECTORS or INSIDE PATCHES

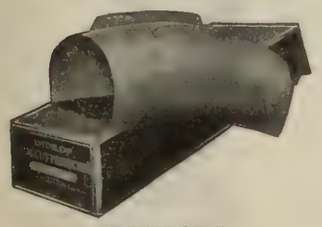
"DUNLOP"

Nos.	1	2
List per dozen	3.60	4.30
For Tires, ins.	3, 3½	4, 4½, 5
Size, inches	5⅝x6½	7⅝x7

A service patch of rubber and fabric for emergency use between the casing and the tube; prevents the tube from becoming pinched in the broken part of the fabric; will conform to the shape of the casing; cemented on one side for adhesion.

1/12 dozen in a paper envelope.

PATCHES



"DUNLOP."

No. 1. Rim Cut. List per dozen 8.90

For 3 and 3½ inch Tires.

A rim-cut protector made of a heavy, frictioned fabric. The patch is moulded and has extension flaps which fit neatly round the bead to prevent creeping. Applied inside the casing at the point where the latter is cut.

1/12 dozen in a box.

"DUNLOP."

2-Inch. List per dozen boxes 8.40

No Cement.

One dozen 2-inch patches in tin box.

A high-grade round moulded patch; does not require cement or acid to ensure its permanency as a repair; for use on inner tubes; each tin contains a piece of emery cloth to rough the surface before applying the patch.

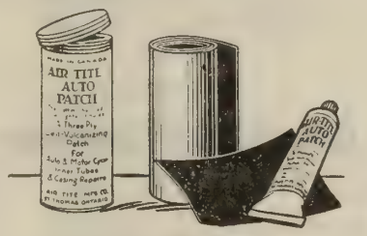
1 dozen boxes in a carton.

PATCHES

"Locktite." List per dozen 3.90

Consists of a sheet of thin fabric—inserted rubber patching 6 x 2 inches; one tube of rubber cement; for house-hold and bicycle use; repairs easily and quickly made; patch will hold against boiling water; each in an emery top box; average weight per dozen, 1⅝ pounds.

1 dozen in a carton.



"AIR-TITE."

No. 32. List per dozen 5.30

Contains 32 square inches of fabric.

No. 40. List per dozen 6.70

Contains 40 square inches of fabric.

A quick and lasting repair for automobile, motorcycle, bicycle tubes and casings; consists of 1 collapsible tube of pure gum patching cement, 1 auto 3-ply fabric patch, with piece of emery cloth glued to the top of the lid for cleaning the part to be patched. This patch is most satisfactory for mending punctures and blow-outs. Packed 1 outfit in a cardboard container.

1 dozen in a carton.

"AIR-TITE."

Rubber Mend. List per dozen 4.00

Consists of a sheet of red rubber, 6¾ x 3⅛ inches, and one tube of rubber cement; efficiently repairs bicycle tubes, hot water bottles, rubber coats, or anything made of rubber; one set in a box; average weight per dozen, 1½ pounds.

1 dozen in a carton.

TIRE CUT HEALER

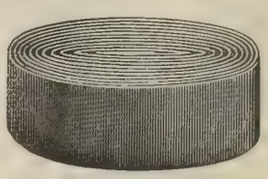
"Dunlop." List per dozen 4.50

6 x 1-Inch Collapsible Tubes.

A rubber compound adapted to repairing cuts in automobile, motorcycle and bicycle casings; it is a self-curing substance and no cement is required in its application; very easily applied, dries hard and resilient, makes a permanent and satisfactory repair.

1 dozen in a carton.

FRICTION TAPE OR TIRE TAPE



No.	1	2	4	8
List per lb.	1.10	1.10	1.04	1.02
Rolls per pound	16	8	4	2

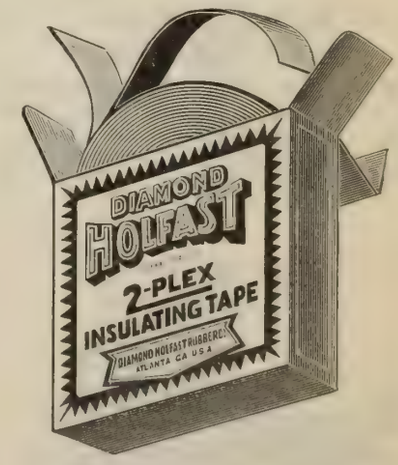
3/4 inch.

Best quality, 3/4 inch black tape; self-sticking; will not dryout; each roll wrapped in tin-foil.

Nos. 1 and 2—One pound in a carton.

Nos. 4 and 8—Each in a carton.

Shown also on Page 438.



"HOLFAST."

1/2 Pound Rolls. List per pound 2.00

2-Ply Rubber and Friction Tape.

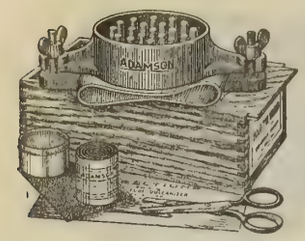
A combination rubber and friction tape; 3/4 inches wide; one side has a high grade red color rubber compound; reverse side is black fabric friction tape of finest quality with best adhesive and insulating mixtures; carefully protected with Holland linen strip; efficiently takes the place of both friction and rubber tapes; each roll carefully wrapped in tin-foil and packed in a carton.

Cartons are open stock.

Shown also on Page 438.

AUTOMOBILE ACCESSORIES

VULCANIZERS



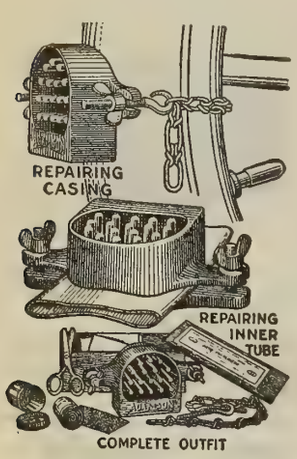
"ADAMSON'S."

Model "T". List each 3.40

For Inner Tubes Only.

Black japanned malleable iron vulcanizer 3⅜ inches diameter; with repair gum; scissors and tin measure; no cement or acid used; average weight each, 3 pounds.

1 set in a box.



"ADAMSON'S."

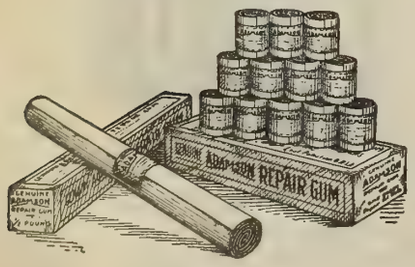
Model "U". List each 4.20

For Tubes and Casings.

Black japanned malleable iron vulcanizer 3½ x 3½ inches; 14 inch bright wire chain; repair gum, measure and scissors; tire can be repaired without deflating, automatic; weight per set, 4 pounds.

1 set in a box.

REPAIR GUM



"ADAMSON'S."

1/4 Pound Rolls. List each ..... .70

1/2 Pound Rolls. List each 1.40

No Cement.

A high grade rubber repair stock for use in repairing both tubes and casings; compounded to give perfect adhesion without the use of cement; specially prepared for use with vulcanizers.

Each roll in a carton.

RUBBER CEMENT

"DUNLOP."

Size	3/4x4	1x4
List per dozen	1.30	1.70
Length, inches	4	4
Diameter, inches	3/4	1

In Collapsible Tubes.

Pure rubber cement; incomparable for adhesive qualities; in liquid form; for patching or repair work; tubes have screw caps to prevent deterioration.
3/4 x 4, 2 dozen in a carton, weight 2 lbs.
1 x 4, 1 dozen in a carton, weight 1½ lbs.
Shown also on Page 208.

TIRE TOOLS

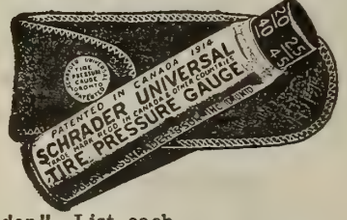
Nos.	12	15
List per dozen	7.00	9.00
Size, inches	1x¼x12	1⅛x¼x15

Black Japanned.

Spring steel; hard baked japanned finish; tempered; both ends tapered thin; one end curved; for removing and replacing tires.

1 dozen in a box.

TIRE PRESSURE GAUGES



"Schrader." List each 2.10

Universal.

Nickel plated case; length 2½ inches; black enamelled scale with white figures; a handy device of vest pocket size for ascertaining the pressure of air in a tire; absolutely accurate; convenient to carry and inexpensive; average weight each, 2 ounces.

Each in a leather case.

10 in a box.

VALVE INSIDES

"Schrader." List per box ..... .50

Universal.

Fits all types of pneumatic tire valves, put up in dust proof containers, grooved so that each inside is separate from the other.

5 in each box.

TIRE COVERS

No. 560.

Size, inches	30x3½	32x4	33x4
List each	3.00	3.30	3.50

For Fabric Tires.

On Rim Holders and Wire Wheels.

Black enamelled shot grain drill; for all rims and holders; covers tread and sides up to the edge of the rim; securely held in place by glove snap fasteners; equipped with draining grommets.

1 in a box.

No. 580.

Size, inches	30x3½	33x4
List each	3.50	4.20

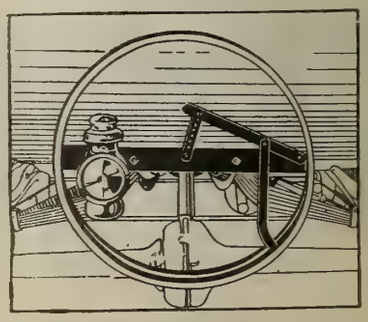
For Cord Tires.

On Rim Holders and Wire Wheels.

Black enamelled shot grain drill with 2½ inch white band; covers tread and sides up to the edge of the rim; securely held in place by glove fasteners; equipped with draining grommets.

1 in a box.

TIRE CARRIERS



"King." List per dozen 50.40

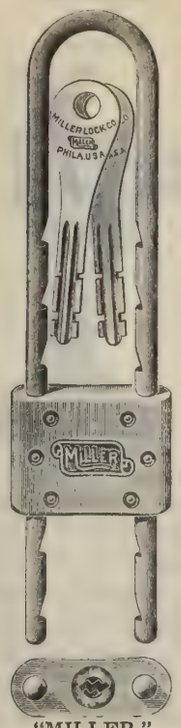
For Ford Cars with Regular Tires.

Made entirely of steel; black baked enamel finish; rim is contracted and expanded by lever, easily operated; brackets are fastened with regular Ford clips; holes in cross bar for lamp and license tag; lever may be locked into position; weight, about 16 pounds.

1/12 dozen in a carton.

AUTOMOBILE ACCESSORIES

PADLOCKS



"MILLER."

No. 44. List per dozen 22.80

1¾-inch Polished Cast Brass Case.
For Bicycles, Motorcycles, etc.

Nickel plated wrought steel, milled ratchet detachable shackle, opening 5½ x 15/16 inches; adjustable to 1 inch; key way in rim on the under side; 2 long nickel plated corrugated steel keys; average weight per dozen, 5 13/16 pounds.
Each in a carton; 1/2 dozen in a box.
Shown also on Page 57.

"MILLER."

No. 45. List per dozen 27.60

2⅛-inch Polished Cast Brass Case.
For Bicycles, Motorcycles, Autos, etc.

Nickelled steel detachable shackle with milled ratchets; opening 4½ x 1⅛ ins.; adjustable to 5/8-inch; lock has brass interior parts, 64 key changes; key way in rim on the under side; 2 long nickel plated corrugated steel keys; average weight per dozen, 7 pounds.
Each in a carton; 1/2 dozen in a box.
Shown also on Page 57.

PADLOCKS

No. E31. List per dozen 28.80

Combination.
1¾-inch Lacquered Case.

Seamless steel case; 5/16-inch round steel side throw shackle; brass combination knob; brass interior parts; 3-number combination and click feature; complete security; simple in operation; average weight per dozen, 3½ pounds.
1/2 dozen in a box.
Shown also on Page 57.

TOOL CHEST LOCKS

"EAGLE."

No. 8368¾. List per dozen 14.20

Combined Catch and Lock.
Dull Brass Finish.

Steel; plate 2¼ x 3⅜ inches; heavy loop, flush hasp; secure lever; one malleable iron barrel key; without screws; average weight per dozen, 2 11/16 pounds.
1 dozen in a box.
Shown also on Page 63.

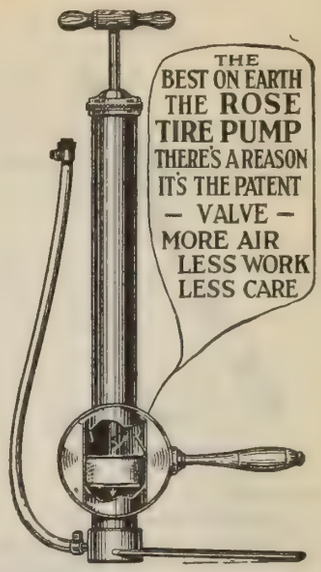
TIRE PUMPS

Tallman. List each 3.80
Washers Only. List per dozen sets 3.40
Hose Connections. List per dozen 11.00

"Double Action."

Seamless steel barrel 1¾ inches diameter; length 16½ inches; inside tube 1½ inches diameter; cast iron base and head with tube connection; rubber connecting tube 22 inches long with brass connections; both the up and down strokes are even all the way giving a perfectly smooth action; the outer cylinder is extra thick tubing; the base and the head is screwed to the cylinder; the whole pump can be taken apart in a few seconds; average weight each, 3⅝ pounds.
1 in a carton.

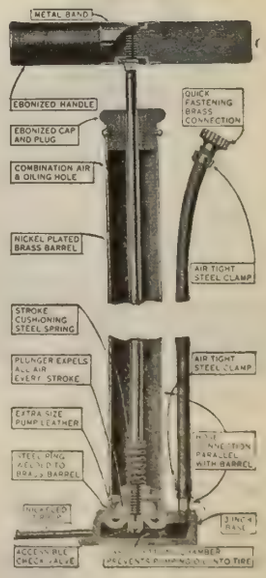
TIRE PUMPS



"Rose". List each 4.50

Rose Pump Washers. List per dozen 1.50

Black enamelled tube, 20 inches long, 1¼ inches diameter, 7/16 inch steel pump rod with hardwood handle, swivel steel rod foot holder; 24-inch rubber tube.
1 in a carton.



"COLEMAN."

"Quick-Fill." List each 6.60

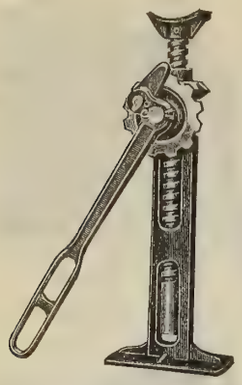
Washers only. List per dozen 1.30

More Air With Less Strokes.

Nickel-plated brass barrel; large ebonized handle; new style base, 3 inches diameter; highest grade of red rubber hose with quick fastening hose connection; made so that all the air in each stroke is forced into the tire; see sectional illustration for detailed information.
1 in a carton.

AUTOMOBILE ACCESSORIES

JACKS



"RELIABLE."

No. 25. List each 2.00

Rotary Screw Jack.

Lifts 1,000 pounds; malleable iron frame; 5/8 inch cold rolled steel screw with machine cut threads; self-locking at every point; black japanned finish; height lowered, 10 inches; height raised, 16¼ ins.; average weight each, 3 pounds.

Open stock.

Shown also on Page 80.

"RELIABLE."

No. 32. List each 2.40

Rotary Screw Jack.

Lifts 2,000 pounds; malleable iron frame; 3/4 inch cold rolled steel screw with machine cut threads; self-locking at every point; black japanned finish; height lowered, 10 inches; height extended, 16 inches; average weight each, 4 pounds.

Open stock.

Shown also on Page 80.

"RELIABLE."

No. 44. List each 2.50

High Speed Ratchet.

Lifts 1 ton; highest grade malleable iron castings, perfectly fitted, easy to operate; black japanned finish with 13½ inch hardwood handle; height lowered, 10½ inches; height extended, 17 ins.; with foot extension; average weight each, 7½ pounds.

1 in a carton.

Shown also on Page 80.

JACKS

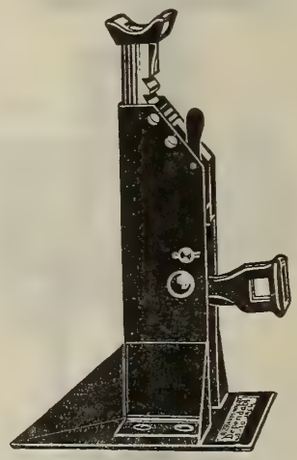
No. 200. List each 3.70

Rotary Screw Jack.

For all passenger cars; malleable iron frame; accurately machined screw and gears; long handle; rotary cap; blue enamel finish; height:—lowered, 9¾ inches; raised, 15¾ inches; average weight each, 5 pounds.

6 in a carton.

Shown also on Page 80.



"DEPENDABLE."

No. 400. List each 5.50

Ratchet.

For any cars weighing up to 5,000 lbs.; small in size, big in power; 14 gauge steel case; 3/4 inch solid steel rack with perfect teeth; simple and effective mechanism—nothing but two dogs, lever, spring and shift key; flat steel twisted bar handle 15 inches long; heavy braced base 3½ x 5½ inches; height lowered, 10½ inches; lifts 6 inches; enamelled finish; equipped with extra spring; weight each, 8 pounds.

6 in a carton.

NOTE:—This takes the place of No. 300 Jack shown on page 80, the makers having discontinued making it.

JACKS

"PETELER."

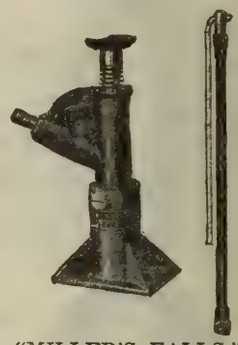
10½-inch. List each 8.70

36-inch Extension Handle.

Lifts 3,000 pounds with wide margin of safety; made of finest materials throughout; cold rolled steel lifting bar; tool steel pawls, other working parts of pressed steel; 1⅛-inch screw; black and red enamelled finish; height lowered 10½ inches, height raised, 17⅜ inches; average weight each, 11¾ pounds.

10 in a case.

Shown also on Page 80.



"MILLER'S FALLS."

No. 145. List each 9.00

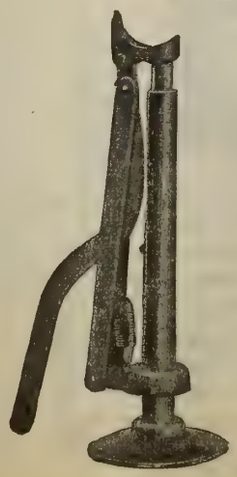
One Drive, Ball Bearing.

Capacity 4,000 pounds; steel working parts; iron base with checkered bottom; malleable iron barrel; forged steel cap and screw; 3/8-inch telescope rod of cold rolled steel, 36 inches full length, folds to 18 inches; black lustrous finish; minimum height, 9½ inches; maximum height, 17½ inches; average weight each, 12½ pounds; warranted.

1 in a carton.

Shown also on Page 80.

TIRE SAVERS



No. 1—

List per set 8.80

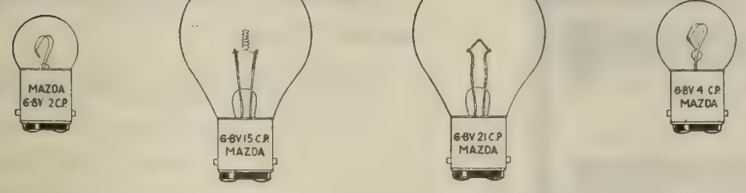
Combination Jack and Tire Savers. For Light Cars, 4 In Set.

Black japanned malleable iron; 3/4-inch rod; steel coil spring; raises car 1⅜ inches; diameter of base, 4½ ins.; height over all, maximum 13 inches; raises from the axle; strong and serviceable; average weight per set, 19 pounds.

Open stock.

Shown also on Page 80.

"MAZDA" AUTOMOBILE ELECTRIC LIGHT BULBS



No.	Description.	Bulb	Contact	Volts	Candle power	Style	Size ins.	List each
61	Rear and Speedometer ...	G-6	Single	3-4	2	B	3/4	.40
62	Rear and Speedometer ...	G-6	Double	3-4	2	B	3/4	.40
63	Rear and Speedometer ...	G-6	Single	6-8	2	B	3/4	.40
64	Rear and Speedometer ...	G-6	Double	6-8	2	B	3/4	.40
67	Rear and Speedometer ...	G-6	Single	12-16	2	B	3/4	.54
82	Sidelight	G-8	Double	6-8	5	B	1	.54
90	Side Auxiliary Headlight..	G-8	Double	12-16	4	B	1	.68
1125	Headlight and Spotlight ..	S-11	Single	6-8	15	B	1	.60
1126	Headlight and Spotlight ..	S-11	Double	6-8	15	B	1⅜	.60
1129	Headlight and Spotlight ..	S-11	Single	6-8	21	C	1⅜	.74
1130	Headlight and Spotlight ..	S-11	Double	6-8	21	C	1⅜	.74
1134	Headlight and Spotlight ..	S-11	Double	6-8	32	C	1⅜	1.14
1136	Headlight for Ford Cars off Magneto	S-11	Double	9	18	C	1⅜	.60
1141	Headlight and Spotlight ..	S-11	Single	12-16	21	C	1⅜	.88

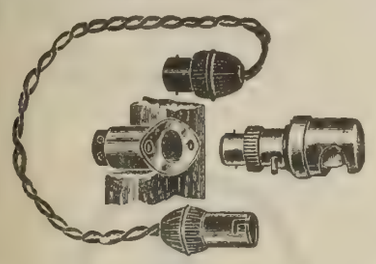
Round, clear glass bulb; drawn wire tungsten filament; fitted with bayonet candelabra base, having two projecting studs which engage the slots in the socket. In a Mazda B lamp the filament operates in a vacuum. In a Mazda C lamp the filament operates in an inert gas.

In Unit Packages of 10.

LIST OF THE MORE GENERALLY KNOWN CARS, GIVING THE LAMP NUMBER THEY USE

Car	Mazda Lamp Number. Year	Head	Tail	Instrument.
Brisco	'18, '19, '20, '21, '22	1129	63	64
Buick	'18, '19, '20, '21, '22	1129	63	63
Cadillac	'20, '21, '22	1129	61	61
Chalmers	'21, '22	1129	63	63
Chevrolet	1921, 1922	1129	63	63
Dodge	'18, '19, '20, '21, '22	1141	67	67
Dort	'21, '22	1129	63	63
Essex	'21, '22	1129	63	63
Ford	'18, '19	1130	..	
Ford	With Magneto	1136	..	..
Ford	('22 Models, and later.)	1130	63	..
Hudson	1921, 1922	1129	63	63
Marmon	1921, 1922	1129	63	63
Maxwell	'20, '21 6-volt	1129	63	63
Moon	'22	1129	63	63
Nash	1922	1129	63	..
Oakland	1921, 1922	1129	63	63
Oldsmobile	'18, '19, '20, '21, '22	1129	63	64
Overland	1921, 1922	1129	61	61
Packard	'21, 335 '22 Twin 6	1129	63	63
Paige	1921, 1922	1129	63	64
Reo	"20, '21, '22	1129	63	63
Scripps-Booth .	1921	1129	63	64
Standard	1921	1129	63	63
Stanley	1921, 1922	1129	63	63
Studebaker	1921, 1922	1129	63	63
Westcott	1920	1129	61	62
Westcott	1921, 1922	1129	63	64
Willys-Knight .	1921, 1922	1129	61	61
Winton	1921, 1922	1129	63	63

TROUBLE LAMPS



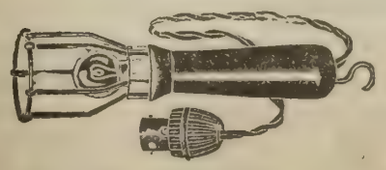
No. 405. List per dozen 54.00

Combination.

Combination consists of a flanged socket for the dash; finely polished, nickel plated dash lamp (switch type); ten feet insulated cord, fitted with rubber capped plug on the other end; complete with 6-3 volt bulb.

1/12 dozen in a box.

INSPECTION LAMPS

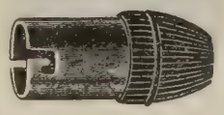


No. 277. List per dozen 30.00

Nickel plated wire guard 2½ x 2¼ ins.; ebonized wood handle 3¾ inches long; 6-8 volt bulb; ten feet insulated cord with No. 210 double contact rubber plug and cap; with adjustable hook hanger.

1/12 dozen in a box.

LAMP SOCKETS



No. 260. List per dozen 5.00

Double Contact.

Nickel plated brass sleeve; hard black rubber cap; weight each, about 1¼ oz.

Open stock.

TAIL LIGHT SOCKETS

No. 280. List per dozen 4.30

Without Bulb.

Nickel plated sleeve socket, with screw flange; for use with No. 225 plug; without bulb.

50 in a box.

TAIL LIGHT PLUGS

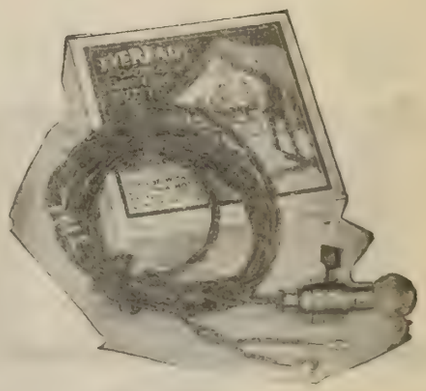
No. 225. List per dozen 5.00

Double Contact.

Plunger type; hard black rubber plug and screw cap; weight each, about 1 oz.

Open stock.

LIGHTING OUTFITS



"EVEREADY."

No. 1851. List each 3.30

Portable.

This outfit consists of 10 feet of cotton covered lamp cord with battery connection at one end; brush brass bayonet type key socket and a 6-8 volt, 2 c. p. lamp; complete ready for attaching to any 5 cell battery (Columbia No. M1561, see page 448); safe and convenient; may be used anywhere.

Each in a box.

AUTOMOBILE ACCESSORIES

DRY BATTERIES

"Columbia" No. 6 Ignitor.

Less than 12. List each 1.00

12 or less than 50. List each ..... .90

50 or less than 125. List each ..... .80

Barrel lots of 125. List each ..... .78

Well known for its efficiency and durability; specially designed for ignition service on automobiles, gas and gasoline engines, launches, motor boats, etc.; round; size 6 x 2½ inches; 25 to 30 amperes; 2 volts; screw terminals; flush top brass capped; weight each, about 2 pounds.

125 in a barrel.

"COLUMBIA" HOT SHOTS

Nos.	1461M	1561M
List each	3.90	4.70
Batteries	4	5
Volts	6	7½
Length, inches	10⅝	13¼
App. wt. each, lbs.	11	24
No. in barrel	24	15

Flat Shape; Metal Case.

For motor ignition and medium heavy service; used also for door bells, buzzers, signals, medical batteries, etc. Batteries are contained in metal case; carefully insulated and permanently connected; top is sealed with hard sealing wax, with cord handle embedded; brass binding posts; 2¾ inches wide, 7½ inches high.

Packed as above.

DRY BATTERIES

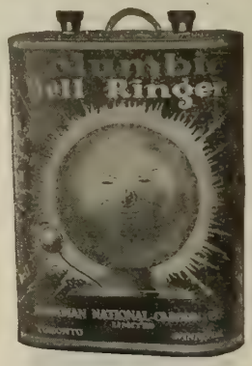
"COLUMBIA" HOT SHOTS.

No. 1562M. List each 4.70

Triangular Shape; Metal Case.

A multiple unit battery containing 5 high grade, carefully selected cells contained in a metal case; well insulated and permanently connected; for all kinds of ignition work; 7½ volts; 8 inches long, 5 inches wide, 7½ inches high; weight, about 13¼ pounds each.

18 in a barrel.



"COLUMBIA."

Bell Ringer. List each 1.80

Consists of two dry cells compactly sealed into one unit with only two connections and attractively labeled.

Impervious to the atmospheric changes which bell ringing dry cells are usually subjected to.

It is estimated that the Columbia Bell Ringer will give almost double the service usually given by two single cells connected up in the ordinary manner.

Weight each, about 5 pounds.

12 in a package.

BATTERY ASSORTMENTS

No. C-1. List per assortment 85.90

Contains:—

50 No. 6 Ignitors; 6 No. 1461M Hot Shots; 3 No. 1561M Hot Shots; 2 No. 1562M Hot Shots. Each assortment in a barrel; average weight each, 258 pounds.

No. C-2. List per assortment 85.80

Contains:—

50 No. 6 Ignitors; 12 No. 1461M Hot Shots. Each assortment in a barrel; average weight each, 250 pounds.

No. C-3. List per assortment 86.00

Contains:—

50 No. 6 Ignitors; 6 No. 1562M Hot Shots; 4 No. 1561M Hot Shots. Each assortment in a barrel; average weight each, 258 pounds.

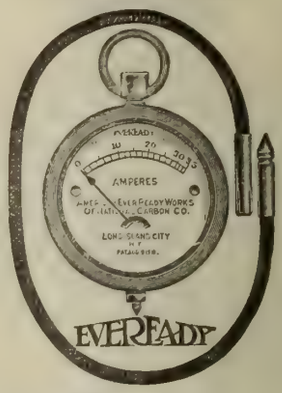
BATTERY CONNECTORS

No. 126. List per 100 ..... 4.00

Flexible soft copper, canvas covered shank; length 4 inches, width 5/16 inches.

Open stock.

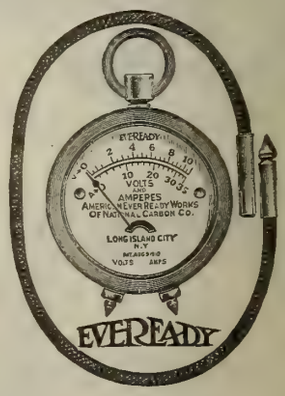
POCKET METERS



No. 1002 Ammeter. List each 1.70

Single pole; for testing amperage; dial marked 0 to 35 amps., reading controlled by fine phosphor bronze spring; will instantly give the strength of the battery; nickel plated brass case and ring; white metal dial with black raised figures on dull silver background; heavy crystal; size 2 x 5/8 inches; with 10½ inch braided cord having a nickel plated brass tip; weight each, about 3 oz.

1 in a cardboard box.



No. 1003 Volt Meter. List each 2.30

Double pole; for testing both voltage and amperage; dial reads 0 to 35 amps., 0 to 11 volts; reading controlled by fine phosphor bronze spring; will give a correct reading regardless of whether the metal terminal is placed on the positive or negative pole; nickel plated brass case and ring; white metal dial with black raised figures on dull silver background; heavy glass face, 5/8 inches diameter; case 2 x 5/8 inches; with 10½ inch braided cord having nickel plated brass tip; weight each about 3 oz.

1 in a cardboard box.

AUTOMOBILE BUMPERS

In ordering bumpers please be sure and specify the make and model of car on which they are to be used.

WEED

Safety Type, Light.	Mfs. Std. List	List each
Front, Japanned	17.00	25.50
Front, Nickel Plated	18.00	27 00
Rear, Japanned	18.00	27.00
Rear, Nickel-Plated	19.00	28.50

1¾ inches wide; for Ford, Chevrolet, Overland 4, Star and Grey Dort Cars; in ordering please be sure to mention whether for front or rear.

Safety	Mfs. Std. List	List each
Japanned	22.00	33.00
Nickel Plated	24.00	36.00

2 inches wide; for all medium weight cars; for either front or rear.

Sturdy	Mfs. Std. List	List each
Japanned	27.00	40.50
Nickel Plated	29.00	43.50

2¼ inches wide; for all heavy weight cars; for either front or rear.

The "Weed" Bumper represents the last word in bumper construction; made of high grade spring steel, heat treated and oil tempered; so designed that it will absorb the heaviest smash, the wide impact surface prevents single bar bumpers of various heights from passing over or going under; full standard automobile width; extra strong and sturdy brackets; easily attached without drilling holes and without interference with any working part; durably finished in all black enamel and full front nickel (as above). Shipping weights:—"Safety Type", 30 pounds; "Safety", 40 pounds; "Sturdy", 50 pounds.

Each in a heavy bound carton.

TWIN BAR

1 3/4 Inch Bar.	Mfs. Std. List	List each
Japanned	12.00	18.00
Nickel Plated	14.00	21.00

For Ford, Chevrolet, Overland 4, Star and Grey Dort cars.

2 Inch Bar.	Mfs. Std. List	List each
Japanned	14.00	21.00
Nickel Plated	16.00	24.00

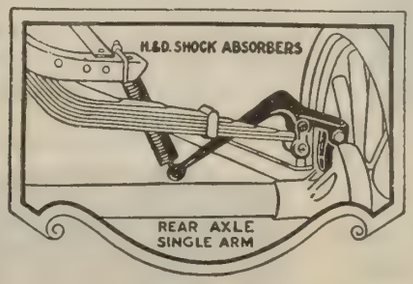
For all medium weight cars.

A spring bar bumper with double bars; made with high grade spring steel 5/16 inch thick, 1¾ and 2 inches wide, carefully heat treated and oil tempered throughout; not weakened at any point by perforation of holes; firmly held by spring steel clamp; five feet long, securely guards the automobile front or rear; extra strong and sturdy brackets, easily and firmly attached; durably finished in all black enamel and full front nickel plated (as above); shipping weight each, 37 pounds.

Each in a heavy bound carton.

Quantity Prices Upon Application.

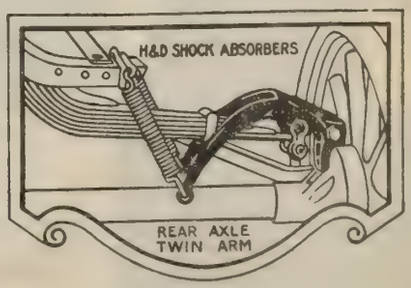
SHOCK ABSORBERS



"H. & D."

Single Arm, Touring. List per set 17.34

Average weight per set, 20 pounds.



"H. & D."

Twin Arm, Touring. List per set 20.00
Twin Arm, Sedan. List per set 20.00

Average weight per set, 22 pounds.

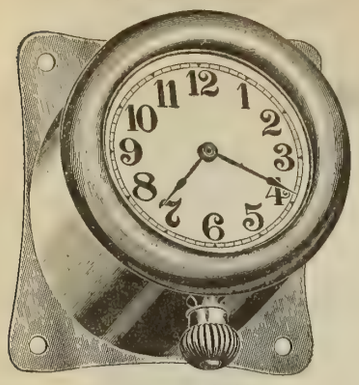
Consists of malleable cantilever arms, with strong, highest grade vanadium steel springs for each arm; with the necessary hooks, perches, and bolts.

The H. & D. is the original cantilever type of Shock Absorber. It takes the bumps and thrusts of the road in a natural manner and does away with the rebound and side sway. The sharp, sudden jars are changed to smooth, gliding waves. In addition to the wonderful ease and riding comfort, the installation of a set of H. & D. Shock Absorbers will prevent springs from breaking, and will stop body rattle. Tire mileage will be greatly increased and general depreciation of the car materially reduced.

Packed 1 set in a box, complete.

AUTOMOBILE ACCESSORIES

AUTO CLOCKS



"WESTCLOX."

Plain Dial. List each 5.20

Luminous Dial. List each 6.70

Jolting will not affect correct time-keeping.

A good inexpensive clock; gives real satisfaction; carefully made movement; dust-proof case; bolts securely to dash; (bolts included); heavily nickel plated; plain figures; back 2½ x 2½ inches; average weight each, 6 oz.

1 in a carton.

RADIATOR CAPS

Snappy. List each 1.80

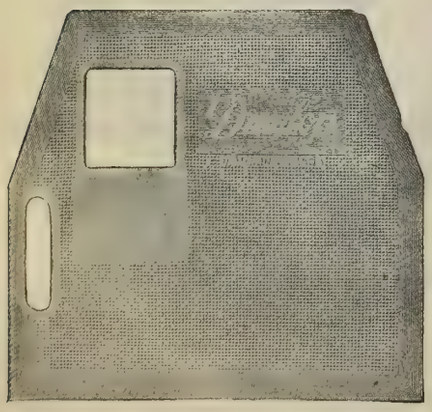
For Ford Cars.

Press the Trigger; It Opens in a Jiffy.

Cast from heavy, special metal heavily nickeled, with black enamelled top; the top is fitted with a durable hinge and strong spring and is held down by a flexible spring trigger; the "snappy cap" can be screwed down tight and left that way, it is not necessary to remove it to fill the radiator; simply press the trigger, the lid is open, and the radiator is ready to fill.

Each in a carton.

FORD COUPE MATS



"Dunlop"—

1/8-inch. List each 4.00

3/16-inch. List each 5.50

Made to fit the floor of Ford Couplets; Pyramid pattern with corrugated border; holes for foot pedals and hand lever; has padded or re-inforced heel pad; will not curl; high grade, durable rubber of neat design.

Open stock.

STEP MATS

"Dunlop." List per pair 2.20

Size 11½ x 7 5/8 inches.

Horizontal heavy ribbed; made of high grade, durable rubber of neat design; screw holes reinforced with metal eyelets. Will give long service; can be used on all cars.

Average weight per pair, 3½ pounds.

1 pair in a carton.

WINDSHIELD CLEANERS

"Crescent." List per dozen 37.20

Black japanned steel frame and crank with nickel plated knob; 7 inch cleaning lever with finest squeegee rubber; fits all types of wind shields on both open and closed cars; even tension; may be attached by clamping or drilling; complete with necessary fittings.

Packed 1 in a carton.

HYDROMETERS OR BATTERY TESTERS

The Hydrometer is an instrument which has become a necessity for use in testing Storage Batteries.

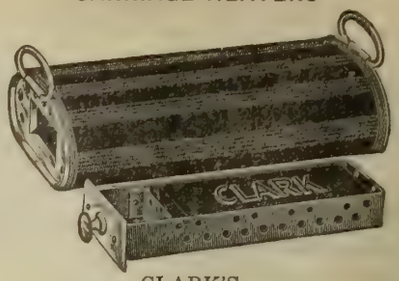
"Break-Not." List each 1.80

The "Break-Not" Syringe Hydrometer is one of the latest and best known instruments. In it, the glass is eliminated to a large extent, reducing the possibility of breaking. The large bulb is made of strong red rubber, and the lower half of the jar is of a special acid-proof composition rubber. The float is accurate and has a large and clear scale which is easily read.

Glass tube, 3½ x 7/8 inches, length over all, 12 inches.

Each packed in a strong mailing tube with metal screw cover.

CARRIAGE HEATERS



CLARK'S.

No. 5B. List each 5.62

Oval Top.

Asbestos insulated steel body covered with good carpet; nickel plated steel ventilated ends; perforated sheet steel drawer 8¾ x 3¼ x 1½ inches; steel wire carrying handles; 12 inches long, 7¼ inches wide, 3¾ inches high; popular for small cars, delivery wagons, etc.; average weight each, 4¼ pounds.

Each paper wrapped.

Shown also on Page 391.

CLARK'S.

No. 7C. List each 7.82

Slanting Top.

Asbestos insulated steel body covered with Brussels carpet; outside parts nickel plated and polished; ventilated ends with one end adjustable to increase or diminish the heat as desired; perforated sheet steel drawer 10¾ x 3¼ x 1½ inches; steel wire carrying handle; length 13½ inches, width 7½ inches, height 4⅜ ins.; for use in every sort of vehicle; average weight each, 6¼ pounds.

Each paper wrapped.

Shown also on Page 391.

CARRIAGE HEATER COAL

Clark's. List per dozen 2.02

A scientifically prepared carbon, compressed into bricks; quickly gives a strong heat; each brick measures 7 inches long, 2½ inches wide, 1⅛ inch deep and will furnish heat from 12 to 16 hours; average weight per dozen, 7 pounds.

Shown also on Page 391.

SHAWL STRAPS

Length, inches.	Width, inches.	App. wt. doz. pairs, lbs.	List single dozen.
49	7/8	2	2.70
72	7/8	2⅛	3.70

Tan Color.

Made of fine woven cotton web with jute filling; bright stamped steel self-adjusting buckle and tongue; buckle grips anywhere on the strap; strong and serviceable.

1 dozen pairs in a bundle.

BRAKE BAND RIVETS

3/4 5/8 1/2

"COPPER."

No. 8 Gauge—

1/2 inch.	List per pound	1.10
5/8 inch.	List per pound	1.10
3/4 inch.	List per pound	1.10

Flat head; slightly tapered shank.
1 pound in a box.

3/4 5/8 1/2

COPPER

No. 10 Gauge—

1/2 inch.	List per pound	1.20
5/8 inch.	List per pound	1.20
3/4 inch.	List per pound	1.20

Flat head; slightly tapered shank.
1 pound in a box.

5/16 8/16

"BIFURCATED."

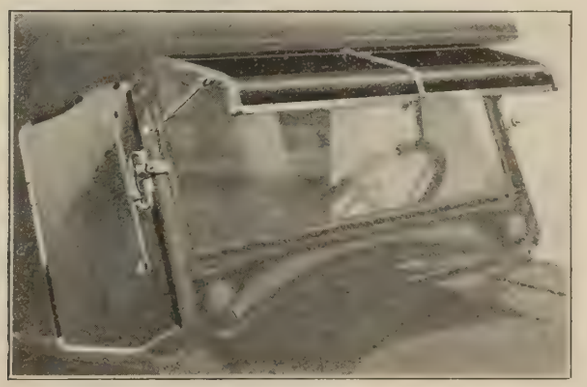
No. 9—Size	5/16	8/16
List per 1,000	3.00	6 50
App wt. 1000, lbs.	1½	2⅛

BRASS; Oval Head.

Made from solid blanks; does not require a hole before, nor burr after inserting; length measured from under the head; weight per carton, 5/16, 1½ pounds; 8/16, 2⅛ pounds.

1 Thousand in a carton.

AUTOMOBILE SUN VISORS



Beaver. List each 13.00

Length, 40 inches; width, 9⅝ inches.

Made of heavy non-breakable green colored Flexo-Glass, transparent; the frame is of solid sheet and cast aluminum; fixtures of heavily nickelled brass. Cannot rust or corrode; **can be attached to any car.**
When raised, its curved shape deflects the rays of sun from the windshield and also gives four to six inches extra weather protection or glass clearance during rain, snow and sleet. It entirely seals the space between vizor and car top, keeping rain or snow from dripping down windshield. **Easily adjusted by thumb screws to any angle without leaving car.** Average weight each, 4½ pounds.

1 in a carton.

AUTOMOBILE ACCESSORIES

ALL WOOL RUGS

No. 4420. List each 15.00
Four colors:—Fawn plaided with mixtures of white, green and brown.

No. 4305. List each 15.00
Four colors:—Brown plaided with mixtures of white, green and purple.

No. 4303. List each 15.00
Five colors:—A darker plaid of fawn, white, green, brown and purple mixtures.

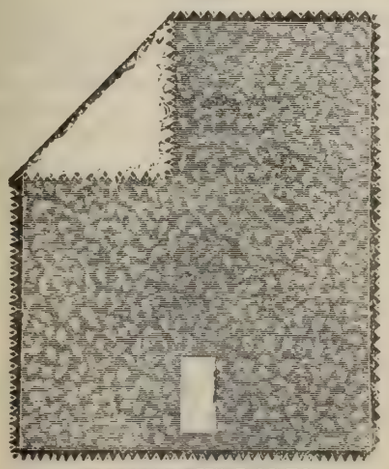
Size 60 x 80 inches.

Made from thoroughly cleaned purest Canadian wool; closely woven in neat and attractive patterns; extra serviceable; for use in automobiles, carriages, etc., with fringe at both ends; average weight each, 4 pounds.

Open stock.

Note:—These new patterns cancel the ones shown on Page 238.

ROBES



"MONARCH" ROBES.

54 x 62 inches. List each 26.00
Average weight each, 9½ pounds.

54 x 72 inches. List each 30.00
Average weight each, 11 pounds.

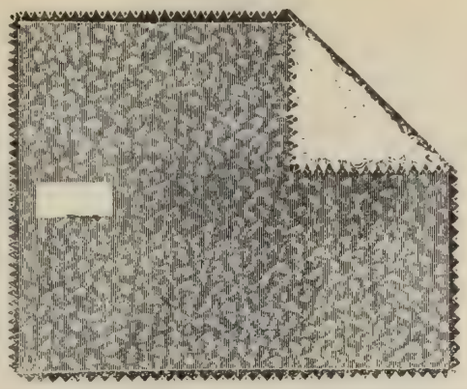
Rubber Interlined.

An excellent and serviceable robe consisting of threee seamless parts:—fur cloth, rubber interlining and astrachan curl lining; the interlining is of fine quality, soft and pliable and makes the robe wind and water-proof; attractively trimmed with double pinked wool felt.

Open stock.

Shown also on Page 238.

ROBES



"STANDARD" ROBES.

54 x 62 inches. List each 29.50

Rubber Interlined

A first quality three-piece robe; fur cloth top closely resembles the genuine Buffalo fur and becomes more curly with use; best quality rubber interlining, pliable and soft, makes the robe wind and waterproof; astrachan fur lining of the highest grade material; trimmed with double "pinked" wool felt.

Average weight each, 10 pounds.

Open stock.

Shown also on Page 238.

BRAKE LINING

"Lion." List per set 1.00

For Ford Cars.

A treated brake lining impregnated with a special frictioning compound to prolong the wear, to avoid "running smooth" and to prevent "chattering."

A set consists of three pieces of heavy web (treated as above) 23½ inches long, 1⅛ inches wide, and 24 rivets for attaching.

1 set in a carton.

FAN BELTS

"DUNLOP."

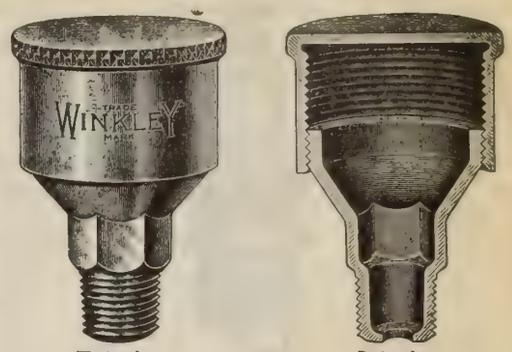
No. 41. List per dozen 4.80
For 1917-18-19 models Ford cars; 1918-19 McLaughlins, Models E and H, 35, 46, 47, 49, 50.

No. 41A. List per dozen 4.80
For 1921 and 1922 Ford Cars.

A fabric-rubber belt tested under tension many times greater than subjected to when in use; perfect in workmanship and material; oil resisting; 35/32 inch wide; 1/8 inch thick; 25¼ inches inside diameter.

1 in a carton.

GREASE CUPS



Exterior. Interior.

No. 000. List per 100 ..... 9.00
1/4 oz. capacity; 1/8 inch pipe thread; cap 3/4 inch inside diameter; app. wt. each, 7/8 oz.

No. 00. List per 100 ..... 11.50
1/2 oz. capacity; 1/8 inch pipe thread; cap 1 inch inside diameter; app. wt. each, 1½ oz.

No. 0. List per 100 ..... 13.50
2/3 oz. capacity; 1/4 inch pipe thread; cap 1¼ inch inside diameter; app. weight each, 2½ oz.

No. 1. List per 100 ..... 17.00
1 oz. capacity; 1/4 inch pipe thread; cap 1½ inch inside diameter; app. weight each 3¼ oz.

No. 2. List per 100 ..... 28.50
2 oz. capacity; 3/8 inch pipe thread; cap 2 inches inside diameter; app. weight each, 5¼ oz.

No. 3. List per 100 ..... 42.00
3½ oz. capacity; 3/8 inch pipe thread; cap 2½ inches inside diameter; app. weight each, 8½ oz.

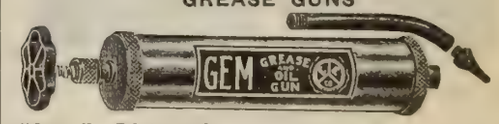
Plain Compression.

Pressed from sheet metal; plain finish; uniform in thickness of metal; strong and serviceable; outside thread.

Open stock.

Shown also on Page 171.

GREASE GUNS



"Gem." List each 3.20

8-Oz. Capacity.

Combination Grease and Oil Gun.

A well-constructed, high grade grease and oil gun; black japanned metal barrel, 7 inches long, 1¾ inches diameter; heavy brass rod threaded stem; brass grease spout and bent oil nipple; brass plated heavy steel end caps; black japanned handle; equipped with lock nut for instant change from grease to oil; length over all, 14¼ inches.

1 in a carton.

"Jumbo." List each 4.40

15-Oz. Capacity.

Combination Grease and Oil Gun.

All Brass, polished barrel 9¼ inches long x 2 inches diameter; heavy brass rod threaded stem; bent grease spout and nipple; heavy steel knurled end caps; black japanned handle; equipped with lock nut for instant change from grease to oil; length over all, 16 inches.

1 in a carton.

BETHLEHEM SPARK PLUGS

No. 07. List each 1.10

Standard for Majority of Cars and Trucks, including American, Durant 6, Grant, Jewett, Marmon, Maxwell, Overland No. 08.

One-piece construction; conical core; 7/8 inch hexagon; 7/8 inch—18; single point ignition type; finest quality porcelain insulator; threaded and cemented centre electrode of special steel alloy; each plug individually tested; each in a carton.

1 dozen in a box.

No. 8. List each ..... .90

For Ford, Star, Gray and Moller Cars

Also Fordson Tractors

1/2 inch standard size with extension below the thread; superior quality porcelain insulator; threaded and cemented centre electrode; 15/16 hexagon; single point ignition type; special steel alloy electrode; each plug individually tested; weight each, 3 oz. each in a carton.

1 dozen in a box.

No. 029. List each 1.10

For Chevrolet and Dodge Cars.

One-piece construction; conical core; 1⅛ inch hexagon; 7/8 inch—18 long; single point ignition type; highest grade porcelain insulator; threaded and cemented centre electrode of special steel alloy; each plug individually tested; each in a carton.

1 dozen in a box.

GARAGE DOOR HANGERS

No. 735. List per dozen pairs 30.00

"Globe" Swivel Hanger.

Made to meet the demand for a low-price garage door outfit; japanned steel frame and swivel pendant; 3 inch wheel; hardened steel axle; pendant 2 inches wide, 5 inches long, adjustable for doors 1⅝ to 2 inches thick; runs on ordinary 1¼ x 3/16 inch flat barn door track; prevents binding, warping or sagging; may be used for one, two, three or more doors; with direction sheet, and screws.

1/12 dozen pairs in a carton.

TRACK FOR ABOVE HANGERS

"Storm King." List per 100 feet 18.00

In 4, 6, 8 and 10 Feet Lengths.

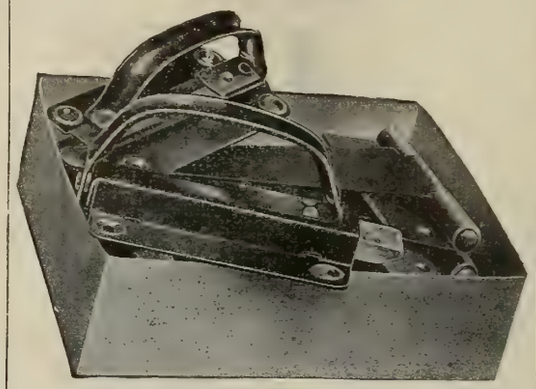
All Steel; Japanned.

1¼ x 3/16 inch, round edge flexible steel; with rivetted brackets; average weight per foot, 1 pound.

Shown also on Page 51.

Open stock.

GARAGE DOOR SETS



"UNIVERSAL." List per set 5.70

Wrought Steel—Japanned Finish.

1 Latch: Japanned frame and handles; lock-bolt and Sherardized spring of piano wire; includes padlock eyes.

1 6-inch Chain Bolt: Plate 2 inches wide; 3/4-inch round bolt; 24 inch chain with 1⅛ inch ring; includes one chain guide, two staples, one strap and one angle.

1 6-inch Foot Bolt: Plate 5 x 2 inches; 5/8-inch bolt with bronze cap; cupped floor plate; 1-inch stroke.

3 Pairs Heavy Tee Hinges—8 inch.

Packed one set in a box with screws.

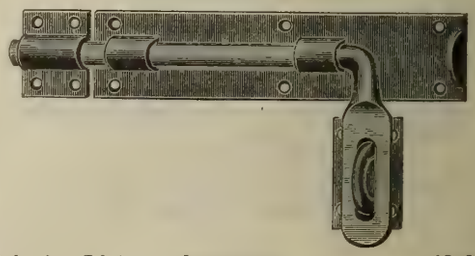
Shown also on Page 10.

FOR

GARAGE DOOR CHAIN AND FOOT BOLTS

SEE PAGE 22.

PAD LOCK BOLTS



8 Inch. List per dozen 12.00

Black japanned stamped steel plate, 8¾ x 2¼ inches; 9/16 inch galvanized round steel bolt with flat eye for staple; with keeper and staple; average weight per dozen, 17 pounds.

1/2 dozen in a box.

STOP SIGNALS

SIMMONS.

"Junior." List each 3.70

For All Cars.

Attached to the brake rod and so arranged that when the pedal is pressed a brilliant red "Stop" flashes from the rear left fender on which it is attached. 4 inch lens; highly polished reflector; nicely finished in high gloss black fender enamel; complete with wire, switch, attachments and instructions; weight each, 1½ pounds.

1 in a carton.

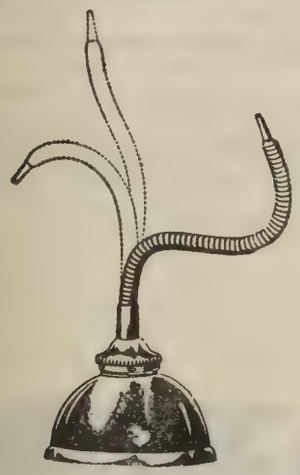
AUTOMOBILE ACCESSORIES

CUP GREASE

1 Pound Tins. List per dozen 4.80

A high class general purpose grease suitable for cups, automobile use, lubricating systems, etc., carefully compounded; no grit; in friction top tins 4¼ x 2⅝ inches.
3 dozen in a carton.

OILERS



ALL-WAY.

Nos	1	2
List per dozen	10.20	12.20
Capacity, pints	1/3	1/2
Diameter, inches	3¼	4
Height, inches	1½	2⅛
Spout, inches	6	6
Weight dozen, lbs.	3¼	4¾

Flexible Steel Spout.

Coppered steel, burnished; spring steel bottom, double seam; flexible spout may be bent as desired, fitted with 13-16 inch filler screw and equipped with wire cleaning rod.
1 dozen in a box.
Shown also on Page 163.

FUNNEL MEASURES

Nos.	05	010	020
List dozen	16.10	21.30	28.10
Size, quarts	1/2	1	2
Diam. bottom, ins.	3½	4	5
Height, inches	6	8	10¼

Copper Plated and Lacquered.

Extra heavy weight stock; re-inforced bottoms; special pouring lip, and bail handle; seams well soldered; capacity correct; very convenient to pour liquids into radiators, tanks or other receptacles.
Paper wrapped, open stock.

LOCK WASHERS

"NEVER-SLIP."
Light S.A.E. Standard.

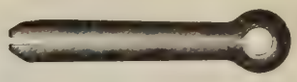
Bolt size, inch.	Size steel (ins.) Width	Thickness	List per 100.
3/16	1/16	3/64	.12
1/4	3/32	1/16	.24
5/16	1/8	1/16	.36
3/8	1/8	3/32	.44
7/16	5/32	1/8	.72
1/2	11/64	1/8	.80
9/16	3/16	1/8	1.00
5/8	13/64	5/32	2.10
3/4	1/4	3/16	3.80

Made of special analysis high carbon steel; natural finish; the corrugations on both sides give additional locking power; sold only in full boxes.
Note—Change in dimensions of 1/4, 5/16, 7/16 and 9/16 inch sizes as reprint from page 215.
1 hundred in a box.

"NEVER-SLIP."
Light S. A. E. Standard.
No. 39S. List per assortment ..... .36
Assorted.
10 each—1/4, 5/16 and 3/8 inch.
3 each—7/16, 1/2 and 5/8 inch.
Made of fine steel; natural finish; corrugated on both sides; each assortment packed in a cardboard box with tin bottom and top; average weight each, 5 oz.
1 assortment in a box.
Shown also on Page 215.

"NEVER-SLIP."
Light S. A. E. Standard.
No. 5. List per assortment 4.00
Garage Assortment.
Contents:—
100—3/16; 100—1/4; 100—5/16; 100—3/8; 40—7/16; 40—1/2; 20—9/16; 20—5/8; and 10—3/4 inch (bolt size).
Made of special analysis high carbon steel; corrugated on both sides to prevent slipping; each assortment is contained in a wooden box, 12 x 5½ x 2 inches, each size in a separate compartment; average weight each, 4½ pounds.
1 assortment in a box.
Shown also on Page 215.

COTTER PINS or Spring Cotters.



Diam. Inches.	List per 1,000. Length, Inches. 1	1¼	1½	1¾	2	2½
1/16	1.00	...	...	...	...	...
3/32	1.00	1.20	1.40	...	...	...
1/8	1.30	1.60	1.80	2.10	...	...
5/32	2.10	2.40	2.80	3.10	3.40	...
3/16	2.90	3.50	4.00	...	5.20	6.30
1/4	...	...	...	...	8.30	...

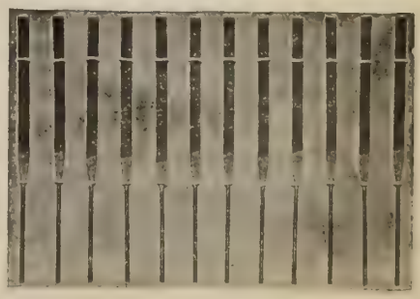
Made from half round bright steel spring wire; lengths are measured from under the eye to the point.
1/16 and 3/32 packed 1,000 in a box.
1/8, 5/32 and 3/16 x 1 packed 500 in a box.
3/16 x 1¼ and larger, packed 250 in a box.

Shown also on Page 217.

No. 10. List per dozen boxes 3.00
Automobile Assortment.
100 cotters, 20 each of the five following sizes—
No. 16 x 1-in.; No. 15 x ½-in.; No. 14 x 1-in.; No. 13 x ¾-in.; No. 11 x 1½-in.
Packed in a cardboard box with tin bottom and tin screw top, 2¼ inches diameter, 1¾ inches high; average weight per dozen, 4¼ pounds.
1 dozen in a box.

Shown also on Page 217.

MAGNETO FILES

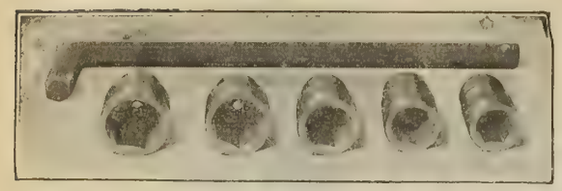


"Superior." List per dozen 2.40
Platinum Point.
Smooth, single cut; safe edges; very thin; 5/16 inch wide, 6⅛ inches long over all, cut 3¼ inches, round shank; a fine crucible steel file for cleaning magnetos, spark plugs, etc., average weight per card, 1/4 pound; sold only in full cards.
1 dozen on a display card.

Shown also on Page 86.

AUTOMOBILE ACCESSORIES

SOCKET WRENCH SETS



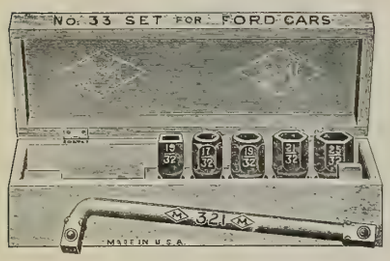
No. 33. List per set 2.40

A general utility set. Takes care of most nuts on Ford and other cars. A compact, powerful tool. The strong hexagon handle takes all five sockets.

Sockets are turned on screw machine from high-carbon steel. They are case-hardened and will give long service.

This is a real wrench. It should have a place in every man's tool kit and at the price will prove to be a mighty profitable line. Five socket sizes: ½-inch; 9/16-inch; 5/8-inch; 11/16-inch; 3/4-inch.

1 set in an oilcloth envelope.



MOSSBERG

No. 33. List per set 2.40

For Ford Automobiles

Consist of:

Double-End Socket Wrench Handle. No. 321; nickel plated; 7¾ inches long.

5 Sockets Dead black rust-proof finish, as follows:—

17/32 hexagon; tapered for rear axle housing nut.

19/32 hexagon; ground to fit engine base bolts.

21/32 hexagon; for cylinder head cap screws.

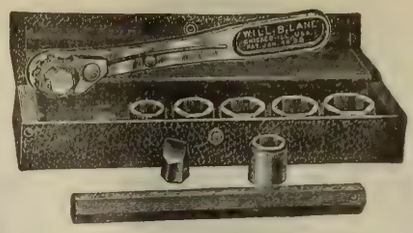
25/32 hexagon.
Oval Socket; for main bearing bolt.

In Wooden Box, varnished and hinged 9½ x 3 x 2¾ inches; average weight per set, 2 pounds.

1 set in a box.

Shown also on Page 149.

SOCKET WRENCH SETS



LANES "UNIQUE."

Ford. List per set 7.00

Made of high grade tool steel; natural finish; **contains:**

Ratchet Wrench, right or left hand; 7½ inches long.

6 Hexagon Sockets, sizes 7/8, 3/4, 11/16, 5/8, 9/16, 1/2-inch.

2 Screw Driver Bits.

1 Extension Rod, 6 inches long.

Packed in leatherette covered box with wood ends; average weight per set, 1¾ pounds.

Shown also on Page 149.

MOSSBERG.

No. 30. List per set 9.50

For Ford Automobiles.

Consists of:

Ratchet Socket Wrench Handle, No. 355, 8 ins. long; one-way ratchet but reversible by turning it over.

Extension Tube, No. 351. 9½ inches long.

Universal Joint, No. 336; for "turning around a corner."

Double-End Offset Screw Driver, No. 101.

Oval Socket, No. 119F, to fit main bearing bolts.

Spark Plug Socket, No. 407, 31/32 inch, to fit Champion X plug now in common use.

Square Socket, No. 169, 9/32 inch to fit main bearing bolts.

7 Hexagon Sockets:—17/32, 19/32, 21/32, 23/32, 25/32, 29/32, 31/32.

In Wooden Box, varnished and hinged, 10 x 4 x 2¾ inches.

Drawn steel; dead black, rust-proof finish; average weight per set 4½ pounds.

1 set in a box.

Shown also on Page 149.

SOCKET WRENCH SETS

LANES "UNIQUE."

Standard. List per set 6.00

Made of high grade tool steel; natural finish; contains:

Ratchet Wrench, right or left hand; 7½ inches long.

7 Hexagon Sockets, sizes 1/2, 9/16, 19/32, 5/8, 11/16, 3/4 and 7/8 inch.

2 Screw Driver Bits.

Packed in leatherette covered box with wood ends and button snap; average weight per set, 1⅜ pounds.

Shown also on Page 149.

MOSSBERG.

No. 16. List per set 13.20

Concentrated Equipment Set.

Consists of:

One Ratchet Socket Wrench Handle, No. 350. 10 inches long; full nickel plated; reversible ratchet.

One Tubular Extension Bar, No. 351. 9½ inches long.

One Universal Joint, No. 336, for "turning round a corner."

One Double-End Offset Screw Driver.

One Spark Plug Socket, 4 inches long; 29/32 inch opening.

Four Square Sockets, 13/32, 15/32, 17/32, 21/32 inch.

Nine Hexagon Sockets:—17/32, 19/32, 21/32, 23/32, 25/32, 27/32, 29/32, 31/32, 1-9/32 inch.

In Wooden Box, varnished and hinged, 11¼ x 5¼ x 2¾ inches.

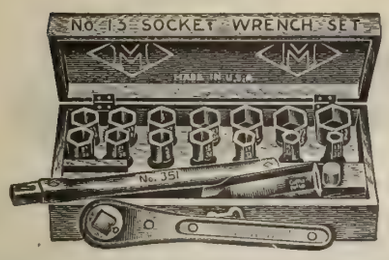
Drawn steel; dead black, rust-proof finish (except No. 350 handle); average weight per set, 6 pounds.

1 set in a box.

Shown also on Page 150.

AUTOMOBILE ACCESSORIES

SOCKET WRENCH SETS



MOSSBERG.

No. 13. List per set 9.60

Consists of:

Ratchet socket wrench handle, No. 355, 8 inches long; one-way ratchet but reversible by turning it over.

Extension Tube Bar, No. 351, 9½ inches long.

15 Sockets fitting standard sizes, (hegagon) screws, nuts and bolts as follows: 13/32, 15/32, 17/32, 19/32, 5/8, 21/32, 23/32, 25/32, 13/16, 27/32, 29/32, 1 1/32; 1 3/32; one 29/32, hexagon spark plug socket, No. 402, 4 inches long.

In Wooden Box, varnished and hinged, 11¼ x 5¼ x 2¾ inches.

Dead black, rust-proof finish; average weight per set 5¼ pounds.

1 set in a box.

Shown also on Page 150.

MOSSBERG.

No. 10. List per set 14.90

Consists of:

Ratchet Socket Wrench Handle, No. 350, 10 ins. long; reversible ratchet; full nickel plated.

Extension Tube No. 351, 9½ inches long.

Universal Joint, No. 336, for "turning around a corner."

Double-End Offset Screw Driver.

21 Sockets of pressed steel; rust-proof, black finish, fitting standard sizes, (Hexagon) screws, nuts and bolts as follows:—15/32, 1/2, 17/32, 19/32, 5/8, 21/32, 11/16, 23/32, 25/32, 13/16, 27/32, 7/8, 29/32, 31/32, 1, 1-1/32, 1-3/32, 1-5/32, 1-9/32, two special spark plug sockets, No. 402, 4 inches long, 29/32 opening, No. 422, 4 inches long, 1-5/32 inch opening.

In Wooden Case, varnished, hinged, 12¼ x 6½ x 2⅞ inches; average weight each, 7½ pounds.

1 set in a box.

Shown also on Page 150.

SOCKET WRENCH SETS

LANE'S.

"Super-Unique." List per set 19.50

Consists of:

Ratchet Wrench; 9 inch; drop forged; reversible.

Extension Bar; 8 x ⅝ inch; with fixed socket, ⅝ inch on one end.

15 Hexagon Sockets of cold roll steel with broached openings 7/16 to 1-1/4-in.; these sockets are for all regular S.A.E. cap screws and hexagon nuts. Its range on U.S. standard cap screw is from ¼ to 1 inch, and hexagon, nuts from ¼ to ¾ inch (except 11/16 inch).

In Wooden Box, varnished and hinged, 9¾ x 4 ⅞ x 2 inches; average weight per set, 5¾ pounds.

Shown also on Page 150.

HEXAGON SOCKETS

MOSSBERG.

Nos.	Size, ins.	Ap. wt. doz. lbs.	List, doz.
115	15/32	1	
117	17/32	1½	
119	9/32	1½	
120	5/8	1½	
121	21/32	1½	
122	11/16	1½	
123	23/32	1½	3.70
124	3/4	1½	
125	25/32	1½	
126	13/16	1⅝	
129	29/32	1¾	
131	31/32	1¾	
133	1 1/32	1⅞	
135	1 3/32	1⅞	

Drawn from flat cold steel; dead black, rust-proof finish preventing rust or corrosion; accurate to size stamped on each one.

1 dozen in a box.

Shown also on Page 150.

AUTO WRENCHES

MOSSBERG.

No. 650. List per dozen 3.90

For Ford Hub Caps

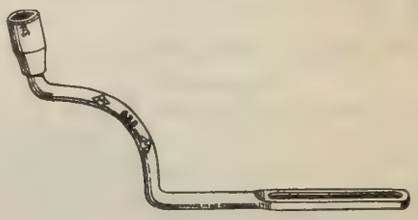
Pressed steel; dead black rust proof finish; four openings:—
1 21/32-inch fits hub caps.
1 1/8-in. oval, fits front cone.
31/32-in. fits rear hub lock nuts.
1 5/32-in. fits spindle nuts.

Length over all 8½ inches; average weight per dozen, 6 pounds.

One in an envelope.

1 dozen in a box.

Shown also on Page 149.



MOSSBERG.

No. 623. List per dozen 11.50

For Connecting Rods on Ford Cars.

High grade steel; thoroughly hardened; dead black, rust-proof finish; hexagon socket opening 41/64ths; 7 inch handle with flat grip; average weight per dozen, 8½ pounds.

1/2 dozen in a box.

Shown also on Page 149.

MOSSBERG.

No. 630. List per dozen 14.50

Cylinder Head and Rear Axle Housing Nut Wrench for Ford Cars.

High grade steel, thoroughly hardened; nickel plated; double end socket for 21/32 and 33/64 hexagon nuts; single end sock et for 21/32 hexagon nuts; length over all 9 3/4 inches; 7/16 inch rod; average weight per dozen, 9 pounds.

1/2 dozen in a box.

Shown also on Page 149.

MOSSBERG.

No. 645. List per dozen 10.80

Ratchet

For Reverse and Brake Pedal Tension Springs of Ford Cars.

Pressed steel; rivetted two-piece handle; dead black rust proof finish; one-way ratchet, reversed by turning wrench over; length over all, 6 inches; for 11/16 hexagon nuts; average weight per dozen, 5½ pounds.

1 dozen in a box.

Shown also on Page 149.

AUTOMOBILE ACCESSORIES

WRENCHES

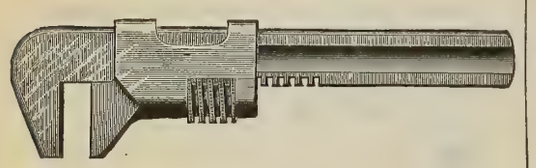
"MOSSBERG."

No. 355. List per dozen **21.60**

8-Inch Ratchet.

Made of heavy sheet steel, burnished nickel plated finish; one-way, reversible by turning it over; fits all sockets of standard manufacture; 8 inches long; average weight each, 11 ozs.

1/12 dozen in a carton.



No. 125. 9-inch. List per dozen **10.00**

Adjustable.

Drop forged steel; polished knurled steel adjusting screw; one-piece sliding jaw; one-piece head and bar; depth of jaws, 1¼ inches; opens 2 inches; easy working; finished in black; average weight per dozen, 12 pounds.

1 dozen in a box.

MOSSBERG.

No. X-9.
9-inch. List per dozen **16.20**

Auto Adjustable.

Made of special steel; one-piece head and handle; inserted movable jaw; knurled steel adjusting nut; opens 2 inches; thickness of jaws, 7/16 inch; depth of jaws, 1 1/8 inches; black finish handle; mottled sliding jaw; average weight per dozen, 10½ pounds.

In individual cartons.

Shown also on Page 147.

MOSSBERG

Nos.	K7	K9
List dozen	13.20	23.80
Length, ins.	7	9
Opens, ins.	1-3/8	1-3/4
Thickness, ins.	3/8	1/2
Depth jaws, ins.	15/16	1-3/8
Av. wt. doz., lbs.	7	15

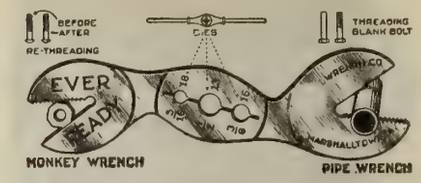
Auto Adjustable.

High grade special steel; one-piece head and handle; inserted movable jaw; knurled steel adjusting nut; black finish handle; mottled sliding jaw.

In individual cartons.

Shown also on Page 147.

WRENCHES



Ever Ready. List per dozen **9.00**

8-inch; made from tool steel and oil tempered; milled teeth; tapped cutting threads; jaws take 3/8 to 3/4 inch pipe; dies cut threads 5/16-18, 3/8-16 and 1/2-13; thin model 3/16 inch wide; natural finish; average weight per dozen, 6 lbs.

1/12 dozen in a carton.

Shown also on Page 147.

HAWKEYE.

No. 200. List per dozen **12.00**

8-inch; drop forged tool steel; carefully tempered; milled teeth; machine tapped cutting threads; jaws take 3/8 to 3/4 inch pipe; dies cut threads 5/16-18, 3/8-16 and 1/2-13; mottled lacquered finish; average weight per dozen, 13½ pounds.

1/12 dozen in a carton.

Shown also on Page 147.

BULL DOG.

No. 1. List per dozen **3.60**

5½-inch long, 7/32 inch thick; drop forged tool steel; milled teeth; polished jaws; oiled finish body; holds 1/8 to 3/8 inch pipe, 1/4 to 3/4 inch round iron; openings in handle 15/32 and 27/32 inch wide; average weight per dozen, 7 1/2 pounds.

1/2 dozen in a box.

Shown also on Page 147

BULL DOG.

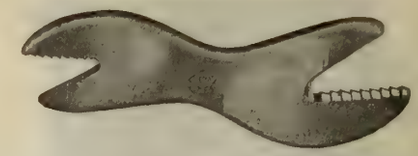
No. 2. List per dozen **10.80**

9-inch; drop forged tool steel; tempered raised jaws; milled teeth; polished jaw faces; natural finish handle; holds 3/8 to 3/4 inch pipe, 1/2 to 1 inch round iron; average weight per dozen, 9½ pounds.

1/2 dozen in a box.

Shown also on Page 147.

WRENCHES



ALWAYS READY.

Nos.	1	2	3
List per dozen	10.40	13.90	33.00
Length, ins.	5	6 1/2	11 1/4
Holds Iron, ins.	¼-¾	¼-1¼	¾-2
Av. wt. doz., lbs.	5	11	29

Nickel plated and polished; forged from high carbon steel; carefully tempered; milled pipe teeth. Each in an envelope.

Nos. 1 and 2, 1/2 dozen in a box.

No. 3, Open Stock.

Shown also on Page 147.

BULL DOG.

Twin. List per dozen **18.00**

10-inch; drop forged tool steel; tempered raised jaws with polished faces; milled teeth; oiled finish handle; holds 1/8 to 3/4 inch pipe, 1/4 to 1 inch round iron; average weight per dozen, 12½ pounds.

1/2 dozen in a box.

Shown also on Page 147.

"WESTCOTT."

Nos.	76	78	80	82
List dozen	16.80	21.60	26.40	38.40
Length, ins.	6	8	10	12
Jaws open, ins.	3/4	1	1-3/8	1-5/8
Av. wt. doz., lbs.	6	11	21	32

Adjustable "S" Nut.

Forged steel sliding jaw; one-piece malleable iron handle and head; knurled screw; polished head; japanned handle.

1/2 dozen in a box.

Shown also on Page 147.

No. 85. Adjustable.

Length, inches.	4	6	8	10
List per dozen	15.60	15.60	19.20	24.00
Jaw open, ins.	7/16	13/16	7/8	1¼
Av. wt. doz., lbs.	1½	4	7½	14½

For Square and Hexagon Nuts.

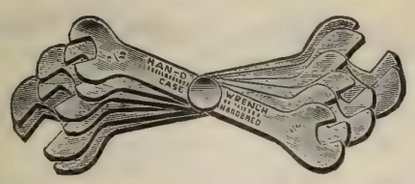
Forged from solid bar steel; oil tempered; one-piece handle and head; thin tapered nose; knurled screw; handle web black finished, other parts polished.

1/2 dozen in a box.

Shown also on Page 148.

AUTOMOBILE ACCESSORIES

WRENCHES



"Han-d." List per set 1.90

A practical wrench set for automobile and general mechanics' use. Consists of six strong steel, double end wrenches, stamped from a high grade steel, 1/8 inch thick; carefully tempered and case hardened; mottled steel blue finished; held together in convenient arrangement by knurled thumb-screw; approximate weight per set, 15 ounces.

—Sizes—

Length, inches.	Openings, inches.	
5	3/8	13/32
5⅛	7/16	15/32
5⅞	1/2	15/32
5⅞	9/16	5/8
7	21/32	11/16
7	23/32	3/4

1 set in a carton.

"Sexto-Rench." List per dozen sets 11.00

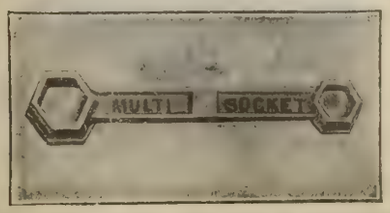
Set of distinctively thin wrenches for automobile, mechanics and home use; consists of six double end wrenches made of high grade steel, 1/10 inch thick; carefully hardened; nickel plated and highly polished all over; held together in a handy arrangement by knurled thumb-screw.

—Sizes—

Length, ins.	Openings,	inches.
3	7/32	9/32
3	1/4	5/16
4⅛	11/32	13/32
4¼	3/8	7/16
5	15/32	17/32
5	1/2	9/16 with 3-in. scale.

1 set in a carton.

SPARK PLUG WRENCHES



No. 4. List per dozen 7.00

4 in 1.

Black finish, malleable iron; strong and serviceable; multi-socket; four different sizes:—3/4, 15/16, 1, 1 3/16 inch.

1 dozen in a box.

WRENCHES

15° Angle. Double End.
Semi-Finished.

Champion X. List per dozen 10.00

13/16 and 15/16-inch openings.

Spark Plug Wrench; 9 inches long; drop forged from solid bar steel; case hardened; extra thin; natural finish shank; polished head; average weight per dozen, 9 pounds.

1/2 dozen in a box.

Shown also on Page 148.

ENGINEERS WRENCHES

Nos.	Openings, ins.	Length, ins.	List doz.
500	3/8 and 1/2	6¼	5.60
501	1/2 and 5/8	7⅛	7.10
502	5/8 and 3/4	8¼	8.90
503	3/4 and 7/8	9¼	11.40
504	7/8 and 1	10⅛	14.50

Semi-Finished.
22½° Angle, Double End.

Drop forged; polished heads; black japanned shank; milled openings.

Open stock.

Shown also on Page 148.

Nos.	Openings, ins.	Length, ins.	List doz.
21	1/8 and 3/16	3⅜	3.50
22	1/8 and 1/4	4	4.40
23	3/16 and 1/4	4	4.40
24	3/16 and 5/16	4⅞	5.20
25	1/4 and 5/16	4⅞	5.20
26	1/4 and 3/8	5⅞	6.50
27	5/16 and 3/8	5⅞	6.50
28	5/16 and 7/16	6⅞	7.60
29	3/8 and 7/16	6⅞	7.60
30	3/8 and 1/2	7⅝	9.30
31	7/16 and 1/2	7¾	9.30
32	7/16 and 9/16	8½	12.40

Semi-Finished.
15° Angle, Double End.

Drop forged; polished heads; black japanned shank; milled openings.

Open stock.

Shown also on Page 148.

PIPE WRENCHES

STILLSON.

Lengths, ins.	6	8	10	14
List per doz. ...	21.60	24.90	27.00	38.00
Takes pipe, in. .	⅛-½	⅛-¾	⅛-1	⅛-1½
Av. wt. doz., lbs.	4	8	18	33

Hardwood Handle.

Forged tool steel jaws and handle; polished shank, frame and jaws; interlocked, ebonized grips; end nut cap.

½ dozen in a box.

Shown also on Page 146.

STILLSON.

Length, ins.	18	24	36
List dozen	54.00	79.00	158.40
Takes pipe, ins.	¼-2	¼-2½	¼-3½
Av. wt. doz., lbs.	54	93	162

Steel Bar Handle.

Forged tool steel jaws and handle; japanned handle; polished head.
18-inch, ½ dozen in a box.

24 and 36-inch, open stock.

Shown also on Page 146.

PARTS FOR STILLSON WRENCHES
SEE PAGE 146.

PIPE WRENCHES

TRIMO.

Length, ins.	8	10	14	18	24
List dozen ..	27.60	30.00	42.00	62.40	88.80
Adj. inches	⅛-¾	⅛-1	¼-1½	¼-2	¼-2½
Av. wt. doz., lbs.	4¼	8	18	58	100

Steel Bar Handle.

Drop forged from selected bar steel; polished head; japanned handle.
8, 10, 14, 18, half dozen in a box.
24 inch. Open stock.

Shown also on Page 146.

PARTS FOR TRIMO WRENCHES
SEE PAGE 146.

AUTOMOBILE ACCESSORIES

COMBINATION PLIERS

No. 618—

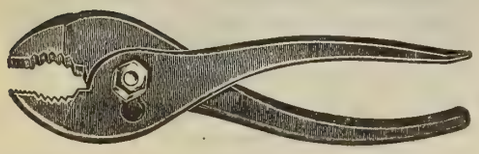
6-inch. List per dozen 4.50

Slip Joint; Natural Finish.

Drop forged steel; milled nut and rod teeth; shear cutter; button head bolt and nut; average weight per dozen, 5½ pounds.

1/2 dozen in a box.

Shown also on Page 141.



No. 900.

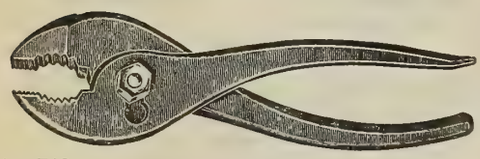
6½-inch. List per dozen 8.50

Slip Joint, Thin Nose.

Black finish steel; milled nut and rod teeth; button head bolt and nut; plain handles (without screw driver); average weight per dozen, 5½ pounds.

1/2 dozen in a box.

Shown also on Page 141.



No. 710—

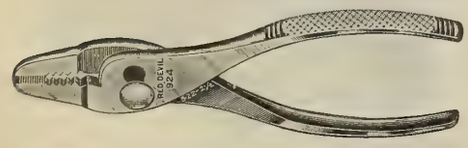
6-inch. List per dozen 9.60

Slip Joint; Full Nickel Plated.

Drop forged steel; milled nut and rod teeth; shear cutter; button head; bolt and nut; average weight per dozen, 5 pounds.

1/2 dozen in a box.

Shown also on Page 141.



"RED DEVIL."

No. 924—

6½-inch. List per dozen 10.80

Slip Joint; Thin Nose.

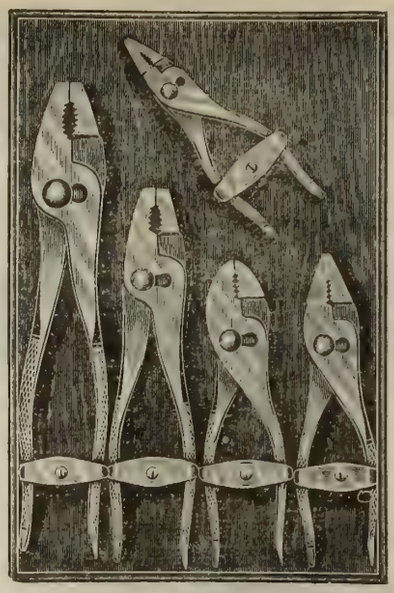
Full nickel plated and polished; forged from fine grade tool steel; shear cutter; hardened jaws 3/16 inch wide; milled nut and rod teeth; button head bolt and nut; knurled handles; average weight per dozen, 5½ pounds.

Each plier in a carton.

1/2 dozen in a box.

Shown also on Page 141.

PLIER ASSORTMENTS



"RED DEVIL."

No. EB.924. List per assortment 20.00

Slip Joint.

Contains 1 Dozen Pliers:

3 No. 1024 x 5-in. thin nose.

4 No. 1024 x 6½-in. thin nose.

3 No. 925 x 6-in. standard pattern.

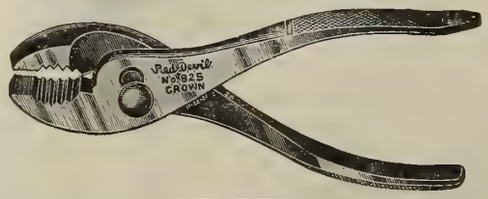
1 No. 925 x 8-in. standard pattern.

1 No. 925 x 10-in. standard pattern.

5 of these pliers are mounted on a substantial, mahogany finish wood board, 8 x 12 inches, with wire easel back; the pliers are forged from high grade steel; full nickel plated and polished; milled nut and rod teeth; button head bolt and nut; knurled handles, one with screw driver end; average weight, 6½ pounds.

1 assortment in a box.

Shown also on Page 141.



"RED DEVIL"

No. 825.

8-inch. List per dozen 13.20

Slip Joint

Full nickel plated and polished; forged from high grade tool steel; powerful shear cutter; pipe grip, adjustable jaws; button head bolt and nut; knurled handles, one with screw driver end; average weight per dozen, 8½ pounds.

Each plier in a carton.

1/2 dozen in a box.

Shown also on Page 141.

OFFSET COMBINATION PLIERS

No. 646.

7-inch. List per dozen 11.00

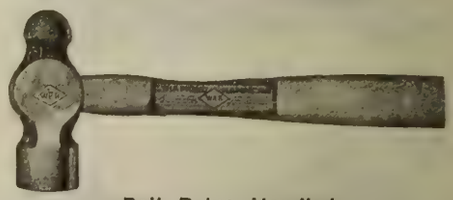
Slip-joint.

Drop forged steel; polished jaws; black handle; shear cutter; milled jaws; button head bolt and nut; with cotter pin extractor; will do the work of the ordinary pliers and go into many out-of-the-places; average weight per dozen, 7½ pounds.

1/2 dozen in a box.

Shown also on Page 141.

MACHINISTS' HAMMERS



Ball Pein; Handled.

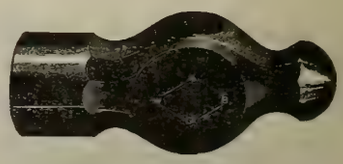
Nos.	12J	12I	12H	12G	12F
List per doz.	17.50	17.50	17.50	17.50	19.20
Wt., less hdl. oz.	6	8	12	16	20
Av. wt. doz., lbs.	7½	9½	13	15½	21¼

Nos.	12E	12D	12C	12B	12A
List per doz.	20.00	22.00	22.50	25.20	26.10
Wt., less hdl. oz.	24	28	32	36	40
Av. wt. doz., lbs.	24	27	30	33½	35½

Drop forged from selected high grade carbon steel, carefully hardened and tempered; polished pein and face; oil finished poll; selected second growth, straight grain, white hickory handle; wax finish; securely wedged and perfectly balanced.

½ dozen in a box.

Shown also on Page 72.



No. 12. Ball Pein; Unhandled.

Weight, lbs.	1	1¼	1½	1¾	2	2¼
List per lb.	1.10	.96	.84	.84	.74	.74

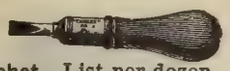
Drop-forged from selected grade high carbon steel, carefully hardened and tempered; polished pein and face, oil finished poll.

Open stock.

Shown also on Page 72.

H. S. HOWLAND, SONS & CO., LIMITED. WHOLESALE HARDWARE, TORONTO, CANADA.

SCREW DRIVERS



No. 12. Ratchet. List per dozen 21.00

Blade 1⅛-inch in length; forged from cast steel; tempered, ground and polished; nickel plated ferrule; polished hardwood handle; length over all, 6 inches; average weight per dozen, 3½ pounds.
1/2 dozen in a box.
Shown also on Page 95.

"YANKEE."

No. 11. Ratchet—

Blade, ins.	2	3	4	5	6
List per doz. ..	14.70	18.00	19.20	21.60	24.00
Ap. wt. doz., lbs.	1½	2½	3	3½	5

Blade is forged from cast steel; tempered, ground and polished; nickel plated ferrules; polished hardwood handles.

Shown also on Page 95.

"STANLEY-HURWOOD."

No. 55. Insulated Head.

Blade, ins.	2	3	4	5	6
List per doz. ..	14.70	18.00	19.20	21.60	24.00
Ap. wt. doz., lbs.	1¼	1½	3	3½	5
Over all, ins.	6¼		6½	7½	9½
Wt. dozen, lbs.	1		1¼	1½	1¾

5/32 Inch Diameter.

Polished high grade steel; one-piece blade, shank and head; shank passes through the handle and is insulated; polished steel seamless ferrule; fluted wood handle; stained black.

½ dozen in a box.

Shown also on Page 96.

"PERFECT" HANDLE.

No. 609.

Blade, ins.	4	5	6
List per dozen	7.70	9.30	11.20
Diam., ins.	¼	¼	5/16
Over all, ins.	8¾	9¾	11⅝
App. wt. doz., lbs.	4	4¼	6¼

Blade, ins.	7	8	10	12
List per dozen	13.00	14.50	18.00	21.50
Diam., ins.	5/16	3/8	3/8	3/8
Over all, ins.	12⅝	14¾	16½	18½
App. wt. doz., lbs. ...	7	10¼	11	12¾

Polished Round Shank Blade

Blade, bolster, handle part and head are forged from one piece of special analysis steel, perfectly tempered; stained, oval hardwood handle sides; firmly secured by two rivets which are headed on both sides.

½ dozen in a box.

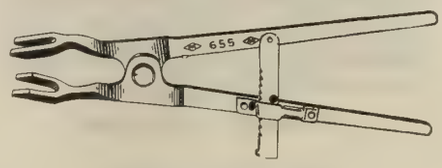
Shown also on Page 96.

SCREW DRIVERS

"4-in-1." List per dozen 13.20

White metal knurled holder handle, 4½ inches long, ½-inch diameter, and with bit inserted, measures 6 inches over all; four fine quality steel bits, carefully hardened, ground and tempered; the three smaller bits fit one within the other and are inserted in the handle; shield protects the large screw driver blade; all parts nickel plated and polished; size of bits, 1, 3, 5 and 7/32-inch; average weight each, ¼ pound.
1 1/3 dozen in a carton with lithographed tin counter display.
Shown also on Page 96.

VALVE SPRING LIFTERS



"MOSSBERG."

No. 655. List per dozen 32.40

Improved Universal.

Dead black, rust-proof finish; pressed steel; an essential tool for lifting valve springs; 11½ inches long; with locking ratchet.

1/6 dozen in a box.

VALVE GRINDERS

"MOSSBERG."

No. 610. List per dozen 21.60

Adjustable; for Valve Tops on all Cars.
Made of the finest steel; all dead black, rust-proof finish; brace type; steel head and centre grip; adjustable wings (for Ford and other drilled tops) secured by wing nut; 3/8-inch rod, 21 inches long over all.

1/2 dozen in a box.

VALVE-GRINDING COMPOUND

CARBORUNDUM.

No. 277. List per dozen 9.50

Grease-Bound, Combination Can.

A mixture of the hard, sharp, fast-cutting Carborundum grains and a high grade grease; for grinding gas-engine valves; also steam, gas or water tight joints etc.; the can carries both the fine and the course compounds in separate compartments; size of can 4 x 2⅛ x 1⅛ inches; average weight per dozen, 4¾ pounds.
1 dozen in a display carton.
Shown also on Page 136.

CARBORUNDUM.

No. 366. List per dozen 9.50

Water-Bound, Combination Can.

Hard, sharp, fast-cutting Carborundum grains mixed with water for grinding gas-engine valves; also steam, gas or water tight joints, etc. The can carries both the fine and the coarse compounds in separate compartments; size of can 4 x 2⅛ x 1⅛ inches; average weight per dozen, 4¾ pounds.
1 dozen in a display carton.
Shown also on Page 136.

RADIATOR CEMENT

"NEVERLEAK."

4½-oz. tins. List per dozen 8.00

9 oz. tins. List per dozen 12.00

No. 1 Assortment. List each 14.00

A liquid scientifically compounded, guaranteed to contain no acid, meal, cement or sediment, and not to clog or impair the cooling system. It readily mixes with water and will stop ordinary leaks in automobile radiators in from five to ten minutes. Four ounces of this solution is sufficient for a radiator holding from one to ten gallons of water.
No. 1 Assortment:—Consists of one dozen 4½ oz. tins and seven 9 oz. tins.
1 dozen in a carton.

CARBON REMOVER

"D. B." List per dozen 3.20

A harmless liquid that can be poured into the cylinders of the motor; will cure 80 per cent. of engine troubles; will increase the power of the car, improve acceleration, stop knocking, quiet the motor, save the batteries and cut down repair bills; one can contains 16 fluid ounces, enough to treat a 4-cylinder engine at least eight times.

Open stock.

CARBON REMOVER

"JOHNSONS."

8-ounce. List each ..... .88

16-ounce. List each 1.48

For gasoline engines, motor cars, motor cycles, spark plugs, marine engines. Used to keep the car free from carbon. Four ounces of Johnson's Carbon Remover added to ten gallons of gasoline will greatly increase the power and mileage and minimized carbon formation.

Open stock.

TARKLENE

FLINT

1 Pint. List per can 1.20
Makers list 1.00

A powerful solvent for grease and oil, can be used for removing the same from any surface, also for removing road tar from the fenders of automobiles; the hands can also be cleaned without the slightest injury; in round screw top cans; average weight each, 1⅛ pounds.

Open stock.

Shown also on Page 296.

AUTO BLACK ENAMEL

FLINT.

Size	½ Pt.	1 Pt.	1 Qt.
List per can	.84	1.44	2.58
App. wt. each, lbs.	¾	1½	2¾
Makers List	.70	1.20	2.15

A high grade black enamel for renewing the finish on used cars; drys with a high gloss, jet black in color; for use on bodies and fenders; in round friction top utility cans.

Open stock.

Shown also on Page 296.

BLACK TOP AND SEAT RENEWER

FLINT.

Size	½ Pt.	1 Pt.
List per can	.90	1.62
App. wt. each, lbs.	¾	1½
Makers List	.75	1.35

A jet black finish that drys with a gloss; will not soften under the heat of the body; makes tops water-proof; for renewing the tops and seats of automobiles; in round friction top utility cans.

Open stock.

Shown also on Page 296.

BLUE DIAMOND.

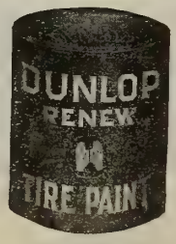
Size	½ Pt.	1 Pt.	1 Qt.
List per can	.54	.90	1.68
App. wt. each, lbs.	¾	1¼	2½
Makers List	.45	.75	1.40

For removing paint, varnish and shellac from any surface; will not raise the grain of the wood or injure the hands; full directions on each can; in square cans.

Open stock.

Shown also on Page 296.

TIRE PAINT



"DUNLOP."

No. 3. List per dozen 16.80

1 Pint Tins.

A scientifically made, rubberized white tire paint, absolutely waterproof. Fills up the small cuts in the casing, excludes moisture and protects the duck. Its application on tires which have been stored away for any length of time will be found beneficial.

Open stock.

SOAPSTONE

"DUNLOP."

1/4-Pounds. List per dozen 1.50

Powdered.

For use when inserting inner tubes in order to reduce to a minimum the friction between the tube and the casing; also prevents over heating and consequent adhesion; in containers with cardboard sides with metal bottom and revolving sifter top; size, 7 x 1¾ inches.

1 dozen in a carton.

GASKET CEMENT

"DUTCH BRAND."

No. 2. List per dozen 2.90

2 Oz. Bottles.

Makes gaskets positively leak proof; contains pure orange shellac and other high grade gums; resists heat, oil and high pressure gases and is unaffected by temperature or moisture; in bottles with swab.

1 dozen in a carton.

ANTI-FREEZE

"FLINT."

1 Gallon. List per can 2.80

A solution, non-injurious to metal or rubber; contains no solid matter and will not clog the cooling system; to be used undiluted; in square cans.

Open stock.

POLISHING WAX

"JOHNSON'S" PASTE.

1-Lb. Tins. List per pound 1.20

A prepared wax in paste form; imparts a hard dry and durable polish which is impervious to water, etc., quickly restores the natural lustre to automobiles, etc.; in round friction top tins.

100 pounds in a case.

Shown also on Page 301.

JOHNSON'S LIQUID WAX.

Size	8-oz.	16-oz.	18-oz.
List each	.67	1.14	2.00
Av. wt. each, lbs.	1	1½	2⅞
No in a case	96	48	24

Screw Top Glass Jars.

The same as Johnson's paste wax, except that it is a liquid; it is an ideal polish and most satisfactory for polishing automobiles; impervious to water.

In cases as above.

Shown also on Page 301.

AUTOMOBILE POLISH

HIGH LUSTRE FINISH.

Size	8-Oz.	16-Oz.	32-Oz.
List dozen	8.00	16.00	24.00
App. wt. doz., lbs. ...	14	29	36

A high grade liquid preparation for furniture and automobiles; cleans, restores the finish and leaves no oily surface to gather dust, etc.; brings the surface back to its original finish in short time; for everything varnished or enamelled.

1 dozen in a carton.

Shown also on Page 299.

METAL POLISH

"BON TON."

Size, pint	1/4	1/2	1
List dozen	2.30	4.00	6.00
App wt. doz., lbs.	4½	7½	16

Imperial Measure.

An instantaneous metal polisher, for cleaning brass, copper and metals of all kinds; in liquid form, contains no grit, acids or injurious chemicals; in screw top tin cans; packed as above.

3 dozen in a case.

Shown also on Page 300.

AUTOMOBILE SPONGES

"SEA-VELVET."

No. 567. List per case 11.70

12 pieces in a case.

Best grade sponges, carefully selected; three sizes in a carton; superior for automobile and home use; will wear well, soft, and absorbes water readily.

Sold only in full cases.

CHAMOIS SKINS

Size, inches	13x16	15x20	21x22
List dogen	10.80	18.00	33.60

High quality selected skins; oil tanned; very soft and pliable; easily cleaned; for drying, dusting, etc.

Each in an envelope.

FIRE EXTINGUISHERS

"PYRENE."

No. 1 Brass. List each 18.00

Complete with black enamelled bracket.

Filled Ready for Use.

A fire extinguisher that puts out any kind of fire in its incipient state. The pump is strongly made of brass and will not rust or corrode; double acting; operated by hand; each drive of the handle throws an ounce of liquid up to 25 feet; locking handle; filler plug; 14 inches long; 3 inches diameter; 32 oz. capacity. The liquid is a chemical mixture containing no water which forms a non-poisonous gas when coming in contact with fire thus smothering the flame; average weight each when filled, 6 pounds.

1 in a carton.

Shown also on Page 188.

FIRE EXTINGUISHER LIQUID

"Pyrene". List each 3.30

32 oz. cans.

A chemical mixture for extinguishing fires by the formation of an elastic non-poisonous blanket which separates the flame from the burning material; efficient on incipient fires in highly inflammable materials, such as gasoline, varnish, etc., can be used on all classes of electrical fires; will not freeze at 50 degrees F. below zero; in screw top cans; average weight each, 3 5/8 pounds.

Open stock.

Shown also on Page 188.

EVEREADY FLASHLIGHTS

TUBULAR PATTERN.

No.	2602
List each	2.04
Length, inches	5
Diameter, inches	1¼
Bulb No.	11
Battery No.	791

Vulcanized Black Fibre Case.

Nickel plated trimmings; sliding lock contact button; convex lens; complete with battery and bulb.

TUBULAR PATTERN.

No.	2604
List each	2.46
Length, inches	6½
Diameter, inches	1½
Bulb No.	16
Battery No.	790

Vulcanized Black Fibre Case.

Nickel plated trimmings; sliding lock contact button; convex lens; complete with battery and bulb.

TUBULAR PATTERN.

No.	2612
List each	2.94
Length, inches	8½
Diameter, inches	1½
Bulb No.	17
Battery No.	705

Vulcanized Black Fibre Case.

Nickel plated trimmings; sliding lock contact button; convex lens; complete with battery and bulb.

TUBULAR PATTERN.

No.	2630
List each	2.34
Length, inches	5
Diameter, inches	1¼
Bulb No.	11
Battery No.	791

Nickel Plated Brass Case.

Heavy case, highly polished; patent contact slide button; convex lens; complete with battery and bulb.

POCKET LIGHT: **Nickel Plated.**

No. 6993. List each 3.30

Handy size, cigarette case pattern, strongly constructed, side hinged; with improved catch; heavy nickel plated; takes two unit cells instead of the usual flat type battery; complete with bulb and battery.
Size:—1 x 2¼ x 3 inches.
Unit Cells:—No. 935. Two required.
Bulb:—No. 3.

TUBULAR PATTERN.

No.	2631
List each	2.70
Length, inches	6¼
Diameter, inches	1½
Bulb No.	16
Battery No.	790

Nickel Plated Brass Case.

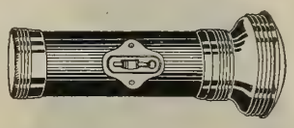
Heavy case, highly polished; patent contact slide button; convex lens; complete with battery and bulb.

TUBULAR PATTERN.

No.	2632
List each	3.30
Length, inches	8½
Diameter, inches	1½
Bulb No.	17
Battery No.	705

Nickel Plated Brass Case.

Heavy case, highly polished; patent contact slide button; convex lens; complete with battery and bulb.



MINERS LENS PATTERN.

No.	2660
List each	2.34
Length, inches	5
Diameter, inches	1¼
Bulb No.	11
Battery No.	791

Vulcanized Black Fibre Case.

Nickel plated brass trimmings; sliding contact lock button; extra large double convex lens and reflector; complete with bulb and battery.

MINERS LENS PATTERN.

No.	2616
List each	2.88
Length, inches	6½
Diameter, inches	1½
Bulb No.	16
Battery No.	790

Vulcanized Black Fibre Case

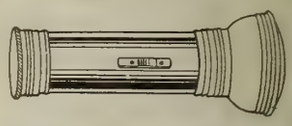
Nickel plated brass trimmings; sliding contact lock button; extra large double convex lens and reflector; complete with bulb and battery.

MINERS LENS PATTERN.

No.	2619
List each	3.30
Length, inches	8½
Diameter, inches	1½
Bulb No.	17
Battery No.	705

Vulcanized Black Fibre Case

Nickel plated brass trimmings; sliding contact lock button; extra large double convex lens and reflector; complete with bulb and battery.



MINERS LENS PATTERN.

No.	2661
List each	2.58
Length, inches	5
Diameter, inches	1¼
Bulb No.	11
Battery No.	791

Nickel Plated Brass Case.

Heavy case, highly polished; sliding contact lock button; extra large convex lens and reflector; complete with bulb and battery.

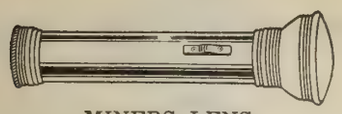
MINERS LENS PATTERN.

No.	2634
List each	3.42
Length, inches	6½
Diameter, inches	1½
Bulb No.	16
Battery No.	790

Nickel Plated Brass Case.

Heavy case, highly polished; sliding contact lock button; extra large convex lens and reflector; complete with bulb and battery.

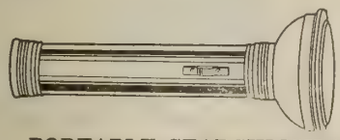
EVEREADY FLASHLIGHTS, BATTERIES AND BULBS



MINERS LENS.

No.	2633
List each	4.14
Length, inches	8½
Diameter, inches	1½
Bulb No.	17
Battery No.	705

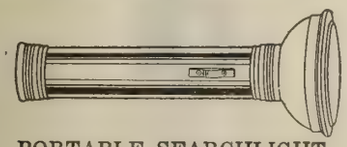
Nickel Plated Brass Case.
Heavy case, highly polished; sliding contact lock button; extra large convex lens and reflector; complete with bulb and battery.



PORTABLE SEARCHLIGHT.

No.	2638
List each	4.68
Length, inches	6½
Diameter, inches	1½
Bulb No.	16
Battery No.	790

Nickel Plated Brass Case.
Octagon head; highly polished finish; sliding lock contact button; extra large bevelled edge lens and reflector; made especially for those who require a portable light of great penetrative power; complete with bulb and battery.



PORTABLE SEARCHLIGHT.

No.	2637
List each	5.46
Length, inches	8½
Diameter, inches	1½
Bulb No.	17
Battery No.	705

Nickel Plated Brass Case.
Octagon head; highly polished finish; sliding lock contact button; extra large bevelled edge lens and reflector; made especially for those who require a portable light of great penetrative power; complete with bulb and battery.

PORTABLE SEARCHLIGHT.

No	2658
List each	4.62
Length, inches	6½
Diameter, inches	1½
Bulb No.	16
Battery No.	790

Vulcanized Black Fibre Case.
Octagon head; nickel plated brass trimmings; sliding lock contact button; extra large bevelled edge lens and reflector; made specially for those who need a portable light of great penetrative power

PORTABLE SEARCHLIGHT.

No.	2659
List each	5.16
Length, inches	8½
Diameter, inches	1½
Bulb No.	17
Battery No.	705

Vulcanized Black Fibre Case.
Octagon head; nickel plated brass trimmings; sliding lock contact button; extra large bevelled edge lens and reflector; made specially for those who need a portable light of great penetrative power. diameter.

SPOTLIGHT.

No. 2674. List each 6.42

Nickel Plated Brass Case.
With 300-Feet Range.
Heavy case; highly polished finish; sliding lock contact button; plain lens; special silvered reflector concentrates the light rays for brightness and distance, and by turning the bottom end cap, may be focused to a long or short beam of light; with 2 extra bulbs in special container in bottom cap; 9 inches long; 1½ inches idameter

Battery No. 705; Bulb No. 1162.

FLASHLIGHT BULBS

"Mazda."

No. 2. List each ..... .42
Flat end, opal back; for 3-cell battery, No. 751; 3.3 volts; 0.25 amps; 1½ c.p.; FE—3¾ size.

No. 3. List each ..... .42
Flat end, opal back; for 2-cell battery, No. 750; 2.3 volts; 0.27 amps.; 1 c.p.; FE—3¾ size.

No. 11. List each ..... .42
Round clear bulb for 2-cell tubular battery, No. 791; 2.3 volts; 0.27 amps.; 1 c.p.; G—3½ size.

No. 16. List each ..... .42
Round clear bulb for 2-cell tubular battery, No. 790; 2.5 volts; 0.30 amps.; 1 c.p.; G—4½ size.

No. 17. List each ..... .42
Round clear bulb for 3-cell tubular battery, No. 705; 3.8 volts; 0.30 amps.; 1½ c.p.; G—4½ size.

No. 19. List each ..... .42
Round clear bulb for 1-cell Standard No. 6 Dry Battery; 1.25 volts; 0.60 amps.; G—4½ size.

No. 1162. List each ..... .62
Round clear bulb, for use on No. 2674 Spotlight Flashlights; focusing; 3.3 volts; .30 amps.; G—3½ size.

Mazda "B" Bulbs.
Specially constructed for use with Eveready Batteries and Flashlights; may be used for other purposes but care must be taken that the volt is ordered according to the strength of the battery on which they are to be used.
10 in a sealed box.

FLASHLIGHT BATTERIES

No. 706. List each ..... .42
For Penlight; 2 cell; 4 inches long, 9/16 inch diameter; use bulb No. 3.

No. 791. List each ..... .48
Small Tubular; 2 cell; 3¾ inches long, 1 inch diameter; use bulb No. 11.

No. 790. List each ..... .48
Medium Tubular; 2 cell; 4¾ inches long, 1⅜ inches diameter; use bulb No. 16.

No. 705. List each ..... .72
Large Tubular; 3 cell; 7 inches long, 1⅜ inches diameter; use bulb No. 3.

No. 750. List each ..... .48
Small Flat; 2 cell; 2¼ x 1 15/16 x 11/16 inches; use bulb No. 3.

No. 751. List each ..... .54
Medium Flat; 3 cell; 2¼ x 2 x 11/16 inches; use bulb No. 2.

No. 703. List each ..... .54
Large Flat; 3 cell; 2⅝ x 2 7/16 x 7/8 inches; use bulb No. 2.

Eveready Flashlight Batteries embody every improvement in dry battery manufacture; we have constant deliveries of batteries, ensuring fresh stock.
Each in a carton.

UNIT CELLS

No. 935. List each ..... .24
Diameter, 1¼ inches; length, 1 15/16 ins.

No. 950. List each ..... .24
Diameter, 1½ inches; length, 2⅜ ins.

For Flashlight Batteries.
Eveready Unit Cells have been created to simplify the dealer's problem of keeping up his flashlight battery stock. These two unit cells take the place of "made up" batteries for all tubular flashlights.
12 in a box.

The number of unit cells required to make up Standard Eveready Tubular Batteries are:—

No. 790 Battery, made up of two 950 units.
No. 705 " " " three 950 "
No. 791 " " " two 935 "

ELECTRIC LAMPS
C. G. E. EDISON MAZDA

For Standard Lighting Service.

Made of finest grade glass; strong filaments; they provide a bright and cheerful light for long burning hours. The name Mazda on a lamp is assurance that it is the most perfect that science has thus far developed.

TUNGSTEN

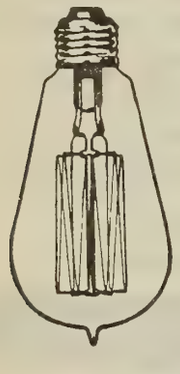
25 Watt. List each ..... .68

Clear Bowl; Straight Sides.

120 Volts; "B" Type.

Regular medium screw base; diameter 2⅜ inches, length 5¼ inches; each lamp wrapped in a corrugated tube; average weight per carton, 5 pounds.

30 in a carton.



TUNGSTEN

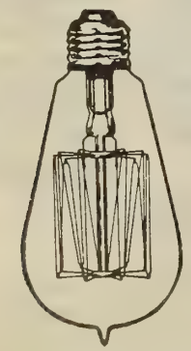
40 Watt. List each ..... .68

Clear Bowl; Straight Sides.

120 Volts; "B" Type.

Regular medium screw base; diameter 2⅜ inches, length 5¼ inches; each lamp wrapped in a corrugated tube; average weight per carton, 5 pounds.

30 in a carton.



TUNGSTEN

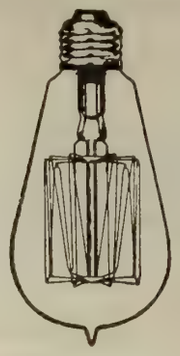
50 Watt. List each ..... .68

Clear Bowl; Straight Sides.

120 Volts; "B" Type.

Regular medium screw base; diameter 2⅜ inches; length, 5¼ inches; each lamp in a corrugated tube; average weight each, 5 ounces.

30 in a carton.



TUNGSTEN

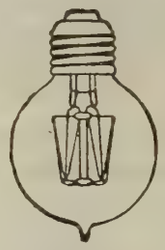
60 Watt. List each ..... .76

Clear Bowl; Straight Sides.

120 Volts; "B" Type.

Regular medium screw base; diameter 2⅝ inches, length 5½ inches; each lamp wrapped in a corrugated tube; average weight per carton, 5 pounds.

30 in a carton.



TUNGSTEN.

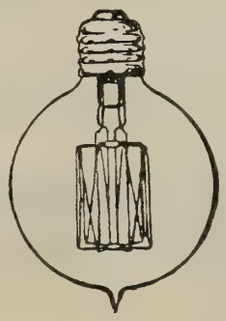
G. 18½-25 Watt. List each 1.08

Full Frosted; Round Bowl.

120 Volts; "B" Type.

Regular medium screw base; diameter 2 5/16 inches; length 3¾ inches; each lamp in a corrugated tube; average weight per box, 3/4 pound.

6 in a box.



TUNGSTEN.

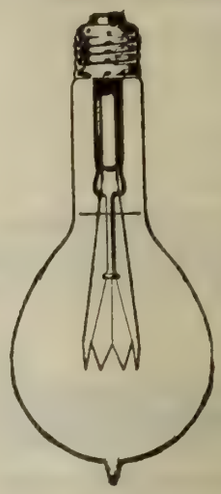
No. G. 25-25 Watt. List each 1.34

Full Frosted; Round Bowl.

120 Volts; "B" Type.

Regular medium screw base; diameter 3⅛ inches; length 4¾ inches; each in a corrugated tube; average weight per carton, 4 pounds.

12 in a carton.



HALF FROSTED NITROGEN.

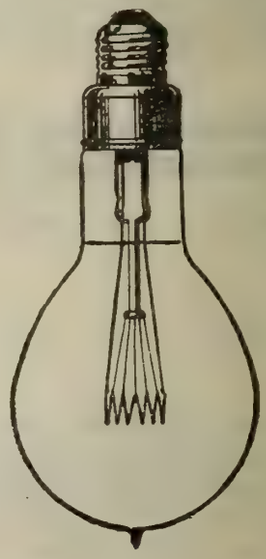
HE.PSF. 25-100 Watt. List each 2.00

Half Frosted Bowl; Pear Shape.

120 Volt; "C" Type.

Regular medium screw base; diameter 3⅛ inches, length 7⅛ inches; each lamp wrapped in a corrugated tube; average weight each, 5 ounces.

1 in a box.



CLEAR NITROGEN.

Nos.	PS.25	PS.30
List each	1.84	3.66
Watts	100	200
Diameter, inches	3⅛	3¾
Length, inches	7⅛	8⅜
App. wt. each, oz.	5	7

Clear Bowl; Pear Shape.

120 Volt; "C" Type.

Regular medium screw base; each lamp in a corrugated tube.

1 in a box.

OUR SPECIAL CONTRACT FOR CALENDAR YEAR ENTITLES YOU TO LOWER PRICES THAN SHOWN ABOVE.

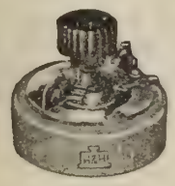
SURFACE SNAP SWITCHES

No. 2161. List each ..... .64

Metal Cover; Single Pole; 250 Volts.

2 inch closed porcelain base; insulated, nickel plated, metal cover; round black vulcanized knob; average weight per box, 2¼ pounds.

10 in a box.



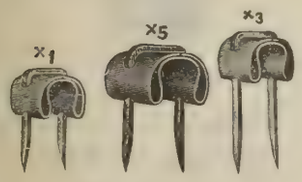
No. 2626. List each 1.10

Porcelain Cover; Single Pole; 250 Volts.

2-inch closed porcelain base; porcelain cover; round porcelain knob; average weight each, packed, 6 ounces.

Each in a box.

INSULATED STAPLES



Nos.	1	3	5
List per 1,000	3.60	3.60	6.50
Length, ins.	1/2	3/4	5/8
Width, ins.	3/16	3/16	1/4
App. wt. 1,000, lbs.	1¾	2	2¼

Bright flat copper wire; sharp cut points; insulated at head with black fibre cap; measurements given are inside measurements.

1/10 Thousand (100 in a box).
1 Thousand in a carton.

No. 1—For hard wood, for twisted pair and single wires.

No. 3—For general use, for twisted pair and single wires.

No. 6—For hardwood, for twisted 3 wire and extra heavy wire.

ELECTRIC LAMP CORD

18 B. & S. List per roll 10.00

Standard Flexible Cord.

250 Feet in a Roll.

Two braided conductors twisted together; green cotton covered; 1/32 inch thick insulation; average weight per 100 feet. 28 pounds.

Sold only in full rolls.

FUSE PLUGS

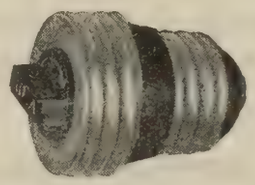
C. G. E.

6 Amperes.	List per 100	9.70
10 Amperes.	List per 100	9.70
15 Amperes.	List per 100	9.70
20 Amperes.	List per 100	9.70
25 Amperes.	List per 100	9.70
30 Amperes.	List per 100	9.70

Non-Breakable; 125 Volts.

Non-breakable Whitehorn (fibre) case; threaded brass shell and cap; mica face; fits standard installation; practically indestructible; light weight; gives positive accuracy, reliable rating as well as correct "blowing" of the plug; average weight per box, 3½ pounds.

100 in a box.



Repeater Six—

10 Amperes.	List each	.24
15 Amperes.	List each	.24
30 Amperes.	List each	.24

6 Fuses in 1; 125 Volts.

High grade black composition case; threaded brass shell and cap; practically indestructible; compact; contains 6 fuses, automatically contacting by turning the switch; has the life and service of six ordinary plugs; fits standard installation; average weight per box, 5¼ pounds.

50 in a box.

ENCLOSED FUSES

C. G. E. CARTRIDGE.

10 Amperes.	List each	.20
15 Amperes.	List each	.20
20 Amperes.	List each	.20
25 Amperes.	List each	.20
30 Amperes.	List each	.20

250 Volts.

Ferrule contact clip style; 9/16 inch diameter brass ferrules; fibre centre; length 2 inches; average weight per box, 3 pounds.

10 in a carton.
100 in a box.

HOUSEHOLD ELECTRIC MOTORS

Star. List each 27.50

Reversible Sewing Machine Motor.

Complete with Emery Wheel and Buffing Wheel illustrated below.

A small and efficient motor which operates on either direct or alternating current; made especially for sewing machines but can be utilized for polishing, grinding, etc.; equipped with universal 100-120 volt motor which can be easily reversed; steel motor housing, cast iron nickel plated base and spring arm; base has four rubber feet to prevent slipping; complete with japanned new style foot treadle which gives any desired speed, also long flexible cord, separate attachment plug and receptacle; average weight each, 8 pounds.

1 in a corrugated box.

ATTACHMENTS for HOUSEHOLD ELECTRIC MOTORS

Buffing Wheel

As included with Household Motor.

Consists of three separate buffing wheels each made of eighteen discs of bleached cotton securely sewn together, 2½ ins. diameter; screw shank nickel plated mandrel for 1/4 inch shaft, two screw adjustment; fits shaft of Household Motor and can be used for polishing and cleaning silver-ware, aluminum, etc., average weight each, 2 ounces.

Emery Wheel.

As included with Household Motor.

Coarse grit; 2 inches diameter, 1/4 inch thick; nickel plated steel mandrel for 1/4 inch shaft; two screw adjustment; fits shaft of Household Electric Motor and can be used sharpening knives, etc., average weight each, 3 ounces.

Open stock.

ELECTRIC APPLIANCE CORDS

No. 390. List each 2.20

Non-Kinking.

250 Volts; 660 Watts.

Two braided conductors twisted together and two thirds bound with black japanned spring wire which prevents kinking and also takes up the "slack" between the socket and the appliance; equipped with Universal Type plug No. 360 and "Hemco" separable attachment plug; length over all 6 feet; average weight each, 1/2 pound.

Each in a box.

ELECTRIC SEPARABLE ATTACHMENT PLUGS

No. 319. List each ..... .36

250 Volts; 660 Watts.

Heat-proof, black composition cap; composition base with threaded brass shell and flat posts; fits all standard screw and flat parallel post sockets.

16 in a box.

ELECTRIC APPLIANCE PLUGS

No. 360. List each ..... .50

Universal Type.

For Flat or Round Terminals.

Heat-proof, black composition, moulded, two-piece shell; firmly secured terminals made to fit all makes of electric irons, toasters, heaters and stoves; nickel plated, coiled wire spring 2 inches long; average weight per box, 1½ pounds.

10 in a box.

ELECTRIC LIGHT SOCKETS

"Tu-Lite." List each 1.06

A two-way socket for standard connections; heat-proof black vulcanized rubber; threaded brass screw; length 3 inches; average weight each, 4 ozs.

Each in a box.

SHADE HOLDERS

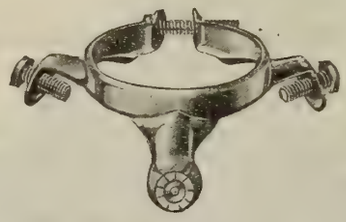
No. 119. List per dozen 2.60

Brush Finish Brass.

For Porcelain Sockets and Receptacles.

Adjustable collar, 1 7/16 inches minimum diameter, 1⅝ inches maximum diameter; three screw holder 2¼ inches inside diameter.

1 dozen in a package.



"NUTYPE."

No. 44891. List per dozen 1.20

Bright Brass Finish.

For Regular Brass Sockets and Receptacles.

Adjustable collar 1 3/16 minimum, 1 3/8 inch maximum diameter; three screw holder 2¼ inches inside diameter.

100 in a box.

SOCKET BUSHINGS

1/8-inch. List per 100 ..... 1.10

Black moulded and threaded composition; for 1/8 inch caps; 9/32 inch hole, 9/16 inch top; average weight per hundred, 5 ounces.

100 in a box.

ELECTRIC LIGHT SOCKETS

KEY TYPE

No. 44279. List each ..... .50

250 Volts; 660 Watts.

1/8 Inch Snap Cap.

Brush finish brass shell; particularly adapted for fixture work; fits standard installation; black moulded, indicator key; perfectly machined, assembled and insulated; average weight per box, 11 pounds.

50 in a box.

KEYLESS.

No. 44280. List each ..... .50

250 Volts; 660 Watt.

1/8 Inch Snap Cap.

Brush finish brass shell; particularly adapted to fixture work; fits standard installation; carefully machined, assembled and insulated; average weight per box, 9½ pounds.

50 in a box.

Pull Chain Type. List each 1.30

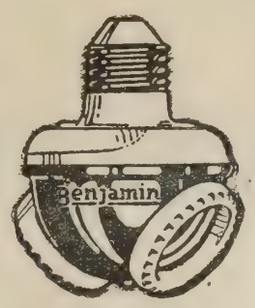
250 Volts; 660 Watts.

Heavy Duty; 1/8 Inch Snap Cap.

Brush finish brass shell; particularly adapted for fixture work; with locating caps for installing sockets inside of husks; quick contact; perfectly machined, assembled and insullated; fitted with 8 inch pull chain with improved lever cone which relieves strain of pull; average weight per box, 5 pounds.

25 in a box.

ELECTRIC LIGHT SOCKET



"TWO-WAY."

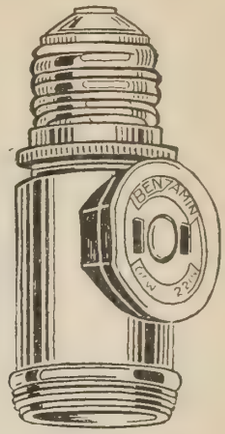
No. 92. List each ..... .78

Fits Standard Lighting Fixtures.

Heat proof; white porcelain base; brush brass shell; copper lined threaded bushings; brass screw; diameter 2 9/16 ins.; length over all, 3½ inches; average weight each, 1/2 pound.

1 in a carton.

10 in a box.



"TAP-LITE."

No. 1080. List each 1.54

Fits Standard Lighting Fixtures.

Brass shell brush finish; threaded and beaded at the bottom for standard shade holder; swivel type screw which permits adjustment of the side outlet to any point of a circle; outlet black moulded composition; length over all, 3 inches; diameter 1 3/16 inches; average weight per carton, 3 pounds.

10 on a display stand.

1 stand in a carton.

TINNED STEEL FLATWARE

TIPPED PATTERN

Bright Finished Heavy Stamped Steel; R etain their Bright Finish; will not rust.

No. 900. Tea Spoons. List per gross 6.30

Length, 5⅞ inches; weight per dozen, 5/8 pounds.

1/4 gross in a box.

No. 900. Dessert Spoons. List per gross 12.60

Length, 7⅛ inches; weight per dozen, 7/8 pounds.

No. 900. Table Spoons. List per gross 13.20

Length, 8¼ inches; weight per dozen, 1¼ pounds.

1/6 gross in a box.

No. 900. Sugar Spoons. List per gross 9.50

Length, 6 inches; weight per dozen, 5/8 pounds.

1/12 gross in a box.

No. 900. Dessert Forks. List per gross 13.80

Length, 7 inches; weight per dozen, 7/8 pounds.

1/6 gross in a box.

CROOKES' POCKET KNIVES

Manuactured by Jonathan Crookes, Sheffield, England.

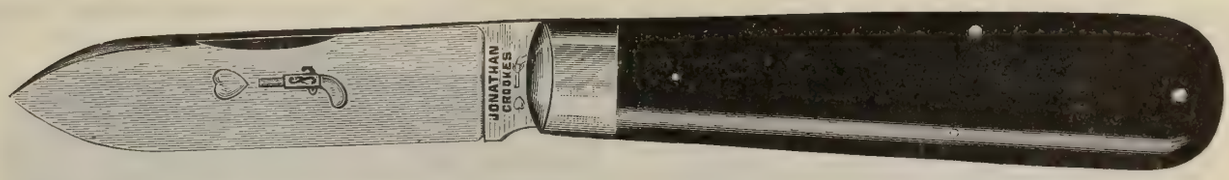
ONE BLADE JACK KNIVES

No. 29191. List per dozen 10.40

Black Buff Handle; length, 2⅞ inches; swell end boy's jack pattern; 1 glazed finish spear blade; polished iron bolster; iron lining; average weight per dozen, 16 ounces.

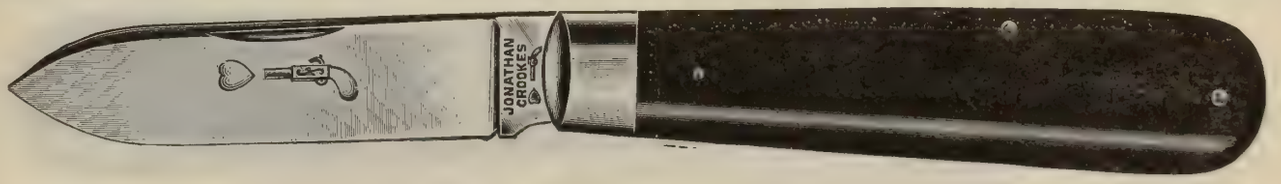
No. 29011. List per dozen 16.80

Black Buff Handle; length, 3⅜ inches; regular jack pattern; one polished large spear blade; etched; polished iron bolster; iron lining; average weight per dozen, 1¾ pounds.



No. 29021. List per dozen 17.70

Black Buff Handle; length, 3⅝ inches; regular jack pattern; 1 large spear blade, polished and etched; Empire silver bolster; iron lining; average weight per dozen, 2 pounds.



No. 29031. List per dozen 18.50

Black Buff Handle; length, 3¾ inches; regular jack pattern; 1 glazed finish large spear blade; etched; polished iron bolster; iron lining; average weight per dozen, 2½ pounds.

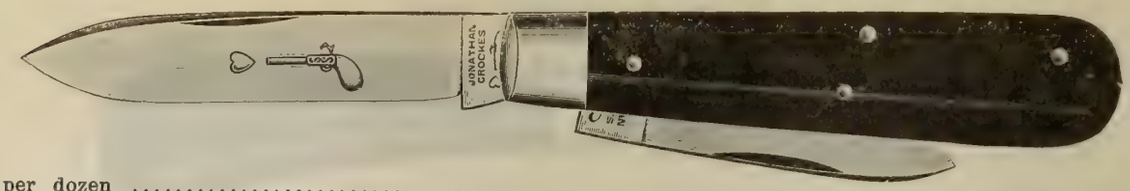
No. 29041. List per dozen 13.20

Black Buff Handle; length, 3⅝ inches; swell centre jack pattern; 1 polished large spear blade; Empire silver bolsters; iron lining; average weight per dozen, 1½ pounds.

All 1/2 Dozen in a Box; Illustrations are Actual Size.

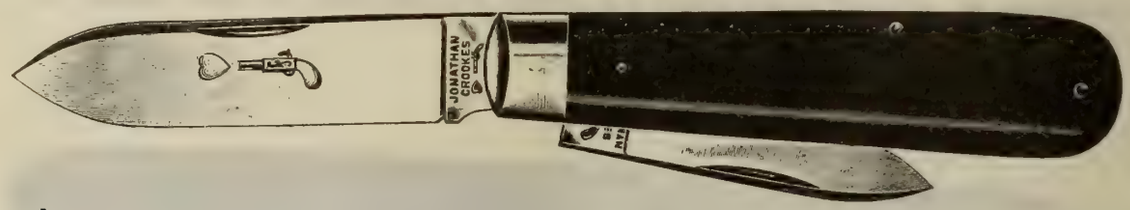
CROOKES' POCKET KNIVES

TWO BLADE JACK KNIVES



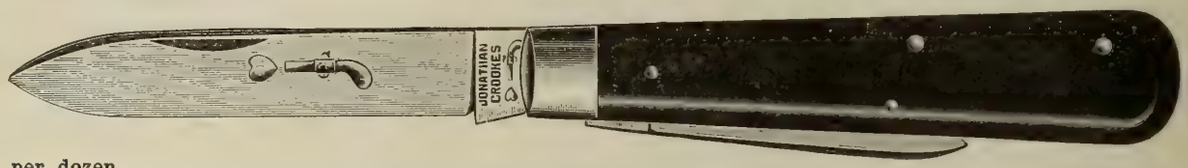
No. 29272. List per dozen 14.60

Ebonized Handle; length, 3¼ inches; regular jack pattern; 2 full polished blades—one spear and one pen; etched; Empire silver bolster; iron lining; average weight per dozen, 1½ pounds.



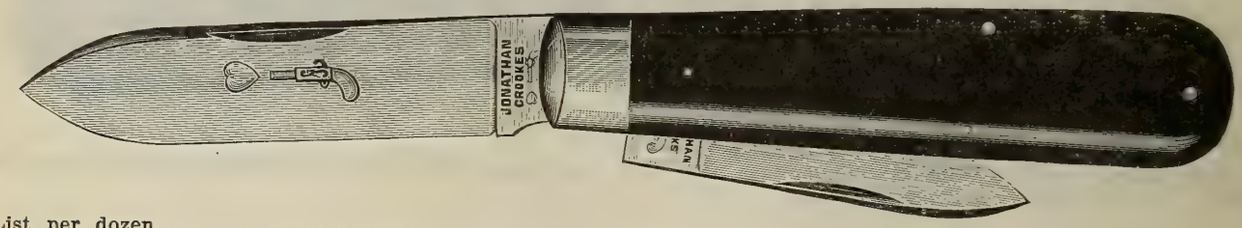
No. 29342. List per dozen 16.80

Black Buff Handle; length, 3 7/16 inches; regular jack pattern; 2 glazed finish blades—one large spear and one pen; etched; polished iron bolster; iron lining; average weight per dozen, 2½ pounds.



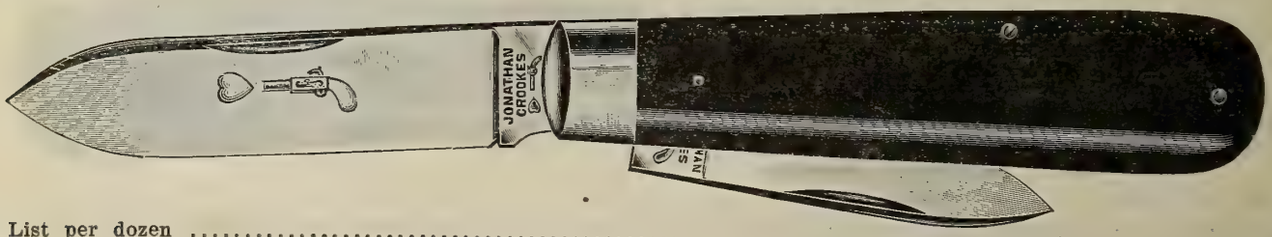
No. 29522. List per dozen 15.40

Black Buff Handle; length, 3⅝ inches; regular jack pattern; 2 polished blades—one spear and one pen; etched; Empire silver bolster; iron lining; average weight per dozen, 2½ pounds.



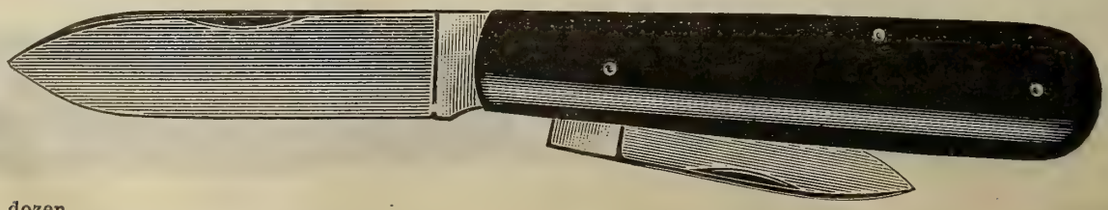
No. 29352. List per dozen 17.70

Black Buff Handle; length, 3¾ inches; regular jack pattern; 2 polished blades—one large spear and one pen; etched; polished iron bolsters; iron lining; average weight per dozen, 2⅝ pounds.



No. 29362. List per dozen 19.20

Black Buff Handle; length, 3⅞ inches; regular jack pattern; 2 glazed finish blades—one large spear and one pen; Empire silver bolster; iron lining; average weight per dozen, 2¾ pounds.



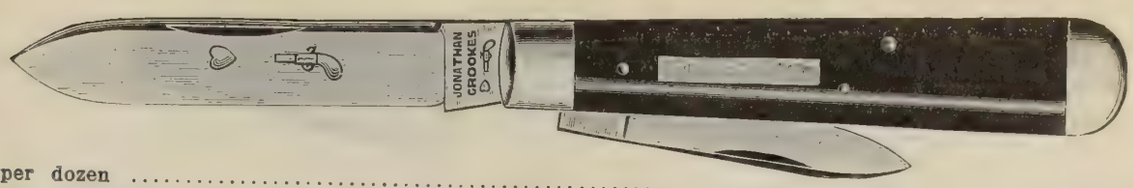
No. 1122. List per dozen 15.00

Black Buff Handle; length, 3⅜ inches; regular jack pattern; 2 polished blades—one large spear and one pen; uncapped; iron lining; average weight per dozen, 2 pounds.

All 1/2 Dozen in a Box; Illustrations are Full Size.

CROOKES' POCKET KNIVES

TWO BLADE PEN KNIVES

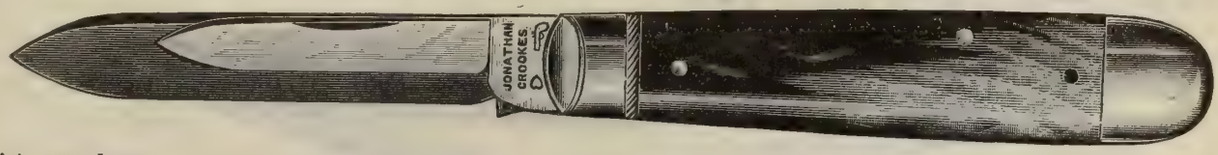


No. 29472. List per dozen 21.60

Black Buff Handle; length, 3⅜ inches; regular jack pattern; 2 polished blades—one spear and one pen; etched; Empire silver bolster, tip and name plate; brass lining; average weight per dozen, 2 pounds.

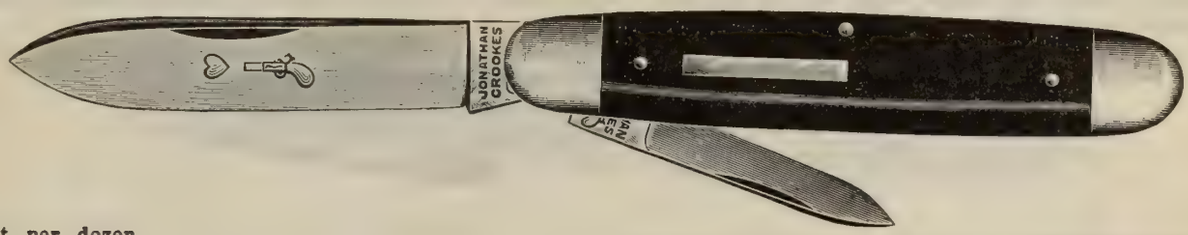
No. 29482. List per dozen 21.60

Black Buff Handle; length, 3½ inches; regular jack pattern; 2 polished blades—one long spear and one pen; Empire silver bolsters, tips and name plate; brass lining; average weight per dozen, 2¼ pounds.



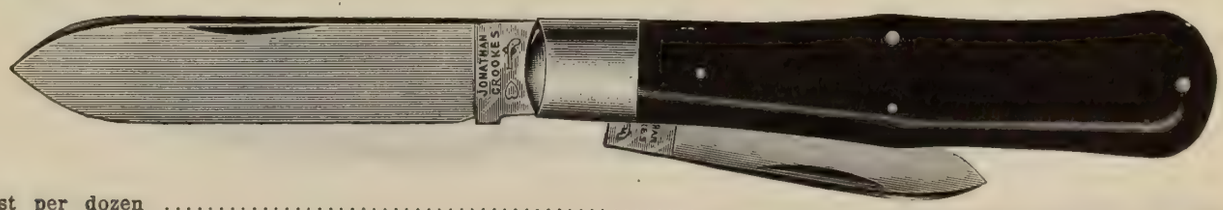
No. 29532. List per dozen 24.00

Black Buff Handle; length, 3½ inches; regular jack pattern; 2 polished blades—one large spear and one pen; Empire silver bolster and tip; brass lining; average weight per dozen, 2½ pounds.



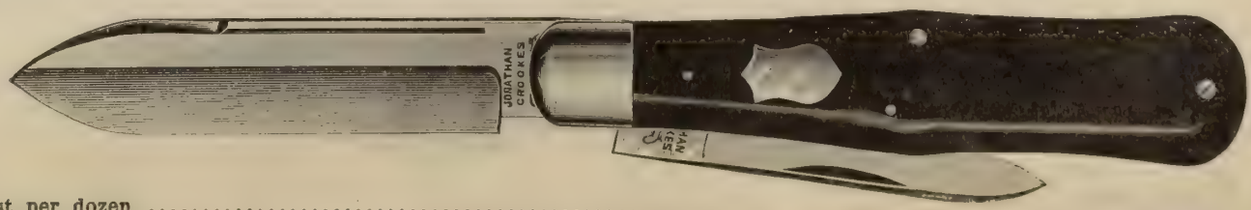
No. 29552. List per dozen 22.80

Black Buff Handle; length, 3½ inches; equal end jack pattern; 2 polished blades—one large spear and one pen; Empire silver bolsters and name plate; brass lining; average weight per dozen, 2½ pounds.



No. 29422. List per dozen 20.00

Black Buff Handle; length, 3⅝ inches; swell centre jack pattern; 2 glazed finish blades—one long spear and one pen; Empire silver bolster; iron lining; average weight per dozen, 2 pounds.



No. 29372. List per dozen 24.00

Black Buff Handle; length, 3⅞ inches; swell centre jack pattern; 2 polished blades—one large sabre and one pen; Empire silver bolster and name shield; brass lining; average weight per dozen, 2¼ pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

CROOKES' POCKET KNIVES

TWO BLADE PEN KNIVES

No. 103192. List per dozen 15.60

White Xylo Handle; length, 2¾ inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; Empire silver tips; brass lining; average weight per dozen, 1 pound.

No. 303192. List per dozen 15.60

Stag Handle; length, 2¾ inches; Senator pattern; 2 mirror finish blades—one small spear and one small pen; Empire silver tips; brass lining; average weight per dozen, 1/2 pound.

No. 403192. List per dozen 27.60

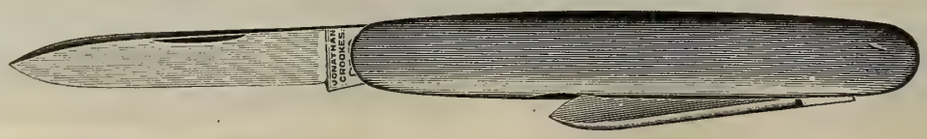
Pearl Handle; length, 2¾ inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; Empire silver tips; brass lining; average weight per dozen, 1/2 pound.

No. 490572. List per dozen 29.70

Pearl Handle; length, 2¾ inches; Senator pattern; 2 polished blades—one spear and one pen; Empire silver bolsters; brass lining; average weight per dozen, 1 pound.

No. 490822. List per dozen 35.60

Pearl Handle; length, 2¾ inches; Senator pattern; thumb notched; 2 mirror finish blades—one small spear and one pen; fancy Empire silver back; milled edges; uncapped; brass lining; average weight per dozen, 8 ounces.



No. 590642. List per dozen 18.00

Nickel Plated Metal Handle; length, 3 inches; equal end pen pattern; thin model; thumb notched; 2 mirror finish blades—one spear and one pen; uncapped; unlined; average weight per dozen, 1¼ pounds.

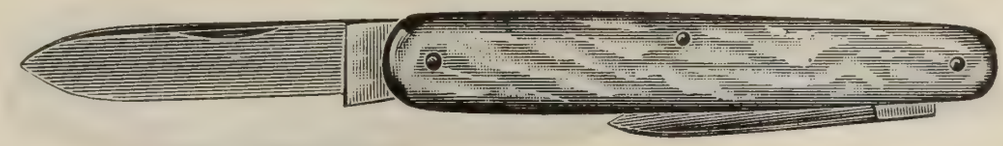
All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

CROOKES' POCKET KNIVES

TWO BLADE PEN KNIVES

No. 490852. List per dozen 18.00

Imitation Pearl Handle; length, 3 inches; equal end pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 3/4 pound.

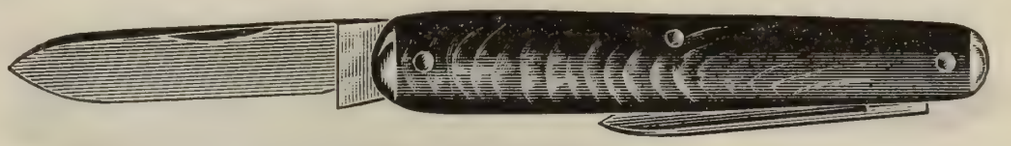


No. 480052. List per dozen 31.20

Pearl Handle; length, 3⅛ inches; shadow pattern; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.

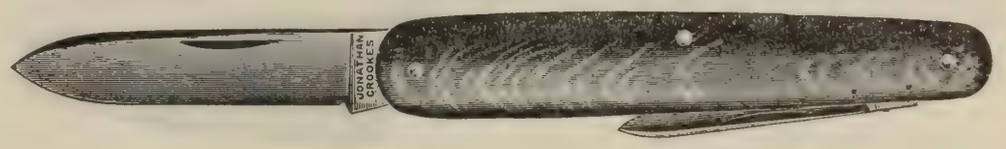
No. 690062. List per dozen 13.60

Imitation Smoked Pearl Handle; length, 3 5/16 inches; shadow pattern; 2 polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.



No. 290062. List per dozen 15.60

Buff Handle; length, 3¼ inches; shadow pattern; 2 full polished blades—one spear and one pen; Empire silver tips; brass lining; average weight per dozen, 1¼ pounds.



No. 290842. List per dozen 15.60

Buff Handle; length, 3¼ inches; equal end pen pattern; thumb notched; 2 polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.

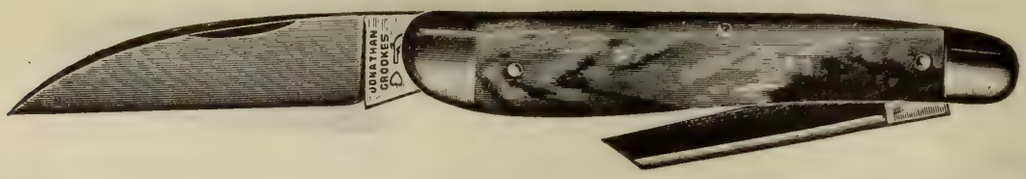
No. 303162. List per dozen 17.50

Stag Handle; length, 3¼ inches; equal end pen pattern; thumb notched; 2 full polished blades—one spear and one pen; Empire silver bolsters; brass lining; average weight per dozen, 1¼ pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

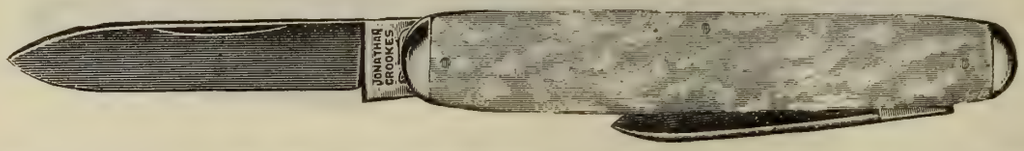
CROOKES' POCKET KNIVES

TWO BLADE PEN KNIVES



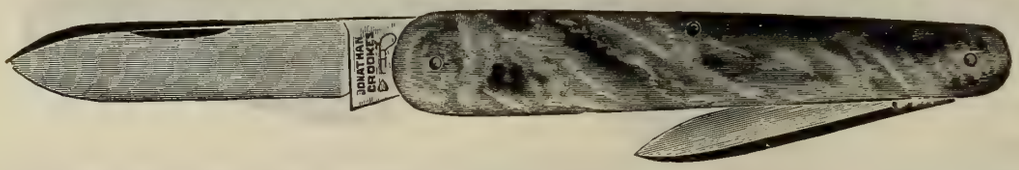
No. 290872. List per dozen 19.50

Buff Handle; length, 3¼ inches; Wharncliffe pattern; 2 mirror finish blades—one Wharncliffe and one coping; uncapped; brass lining; average weight per dozen, 1 pound.



No. 490082. List per dozen 33.60

Pearl Handle; length, 3¼ inches; shadow pattern; 2 glazed finish blades— one spear and one pen; Empire silver tips; brass lining; average weight per dozen, 1 pound.



No. 490052. List per dozen 34.50

Pearl Handle; length 3¼ inches; shadow pattern; 2 full polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.

No. 190042. List per dozen 12.40

White Xylo Handle; length, 3 5/16 inches; shadow pattern; 2 full polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.

No. 204162. List per dozen 16.30

Buff Handle; length, 3 5/16 inches; Anglo-Saxon pen pattern; 2 full polished blades—one spear and one pen; Empire silver bolsters; brass lining; average weight per dozen, 1 pound.

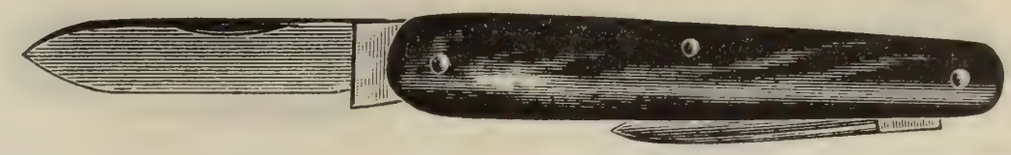
No. 390032. List per dozen 11.50

Stag Handle; length, 3 5/16 inches; shadow pattern; 2 full polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

CROOKES' POCKET KNIVES

TWO BLADE PEN KNIVES

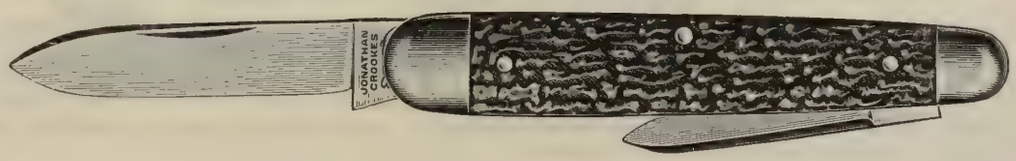


No. 290032. List per dozen 12.00

Black Buff Handle; length, 3⅜ inches; shadow pattern; 2 glazed finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.

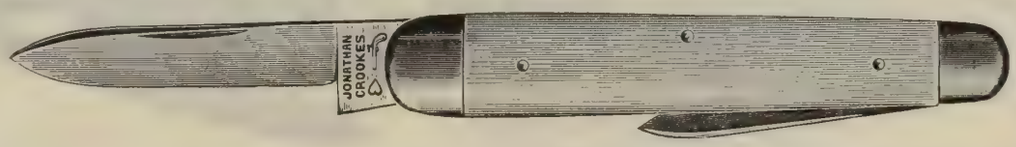
No. 490842. List per dozen 17.50

Imitation Smoked Pearl Handle; length, 3⅜ inches; equal end pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.



No. 304162. List per dozen 15.20

Stag Handle; length, 3⅜ inches; Anglo-Saxon pen pattern; 2 polished blades—one spear and one pen; Empire silver bolster; brass lining; average weight per dozen, 1¼ pounds.

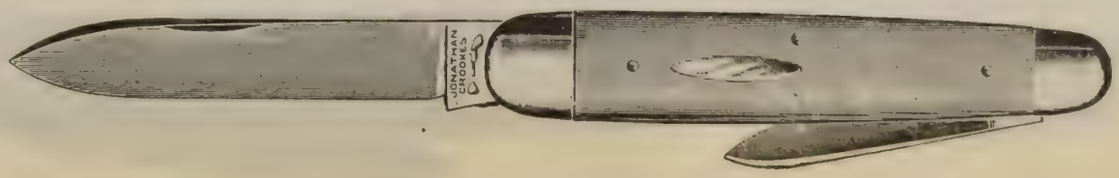


No. 790082. List per dozen 16.00

White Xylo Handle; length, 3⅜ inches; Anglo-Saxon pen pattern; 2 full polished blades—one spear and one pen; Empire silver bolsters; brass lining; average weight per dozen, 1¼ pounds.

No. 203152. List per dozen 17.70

Buff Handle; length, 3⅜ inches; equal end pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; Empire silver bolsters; brass lining; average weight per dozen, 1¼ pounds.



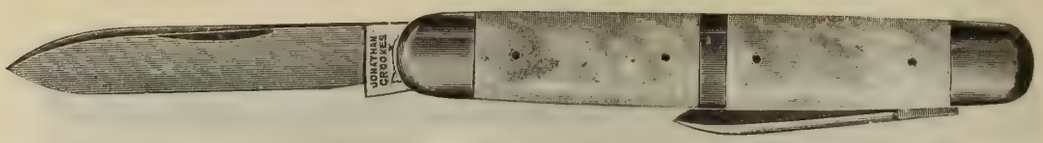
No. 790092. List per dozen 22.80

White Xylo Handle; length, 3⅜ inches; Anglo-Saxon pen pattern; 2 full polished blades—one spear and one pen; Empire silver bolsters and name plate; brass lining; average weight per dozen, 1¼ pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

CROOKES' POCKET KNIVES

TWO BLADE PEN KNIVES



No. 431312. List per dozen 32.40

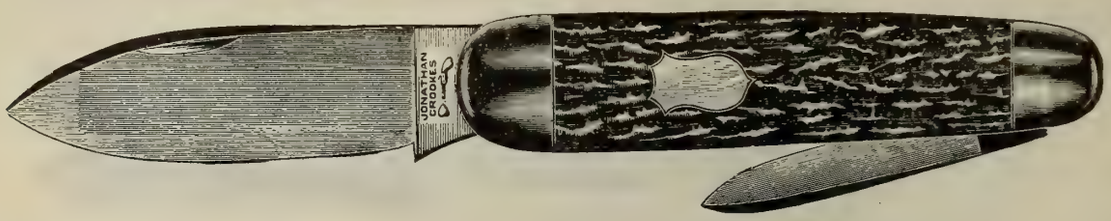
Pearl Handle; length, 3⅜ inches; Senator pattern; 2 mirror finish blades—one spear and one pen; Empire silver bolsters and band; brass lining; average weight per dozen, 1¼ pounds.

No. 490802. List per dozen 35.60

Pearl Handle; length, 3⅜ inches; Senator pattern; 2 mirror finish blades—one spear and one pen; Empire silver bolsters; brass lining; average weight per dozen, 1 pound.

No. 403172. List per dozen 34.80

Pearl Handle; length, 3⅜ inches; equal end pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; Empire silver bolsters; brass lining; average weight per dozen, 1 pound.



No. 390049. List per dozen 30.00

Stag Handle; length, 3½ inches; Anglo-Saxon pattern; 2 mirror finish blades—one broad spear and one pen; Empire silver bolsters and name shield; brass lining; average weight per dozen, 2¼ pounds.

No. 390872. List per dozen 25.20

Stag Handle; length, 3¾ inches; Wharncliffe pattern; 2 mirror finish blades—one Wharncliffe and one pen; Empire silver bolsters and name shield; brass lining; average weight per dozen, 1¾ pounds

No. 0871. List per dozen 24.00

Buff Handle; length, 4 inches; Senator pattern; 2 polished blades—one large and one small spear; uncapped, brass lining; average weight per dozen, 1¾ pounds.

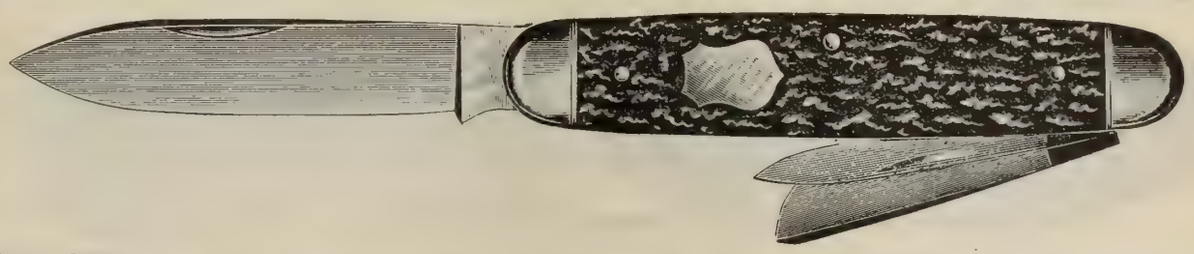
All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

CROOKE'S POCKET KNIVES

THREE BLADE PEN KNIVES

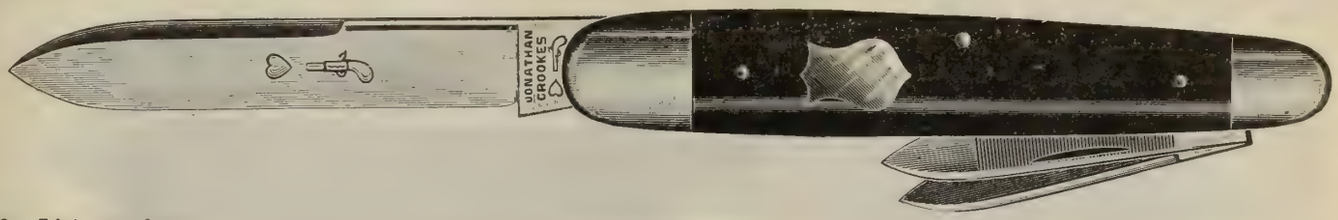
No. 490763. List per dozen 44.40

Pearl Handle; length, 3⅜ inches; equal end pen pattern; 3 blades—one spear, one pen and one file; full polished; Empire silver bolsters; brass lining; average weight per dozen, 18 ounces.



No. 390039. List per dozen 27.60

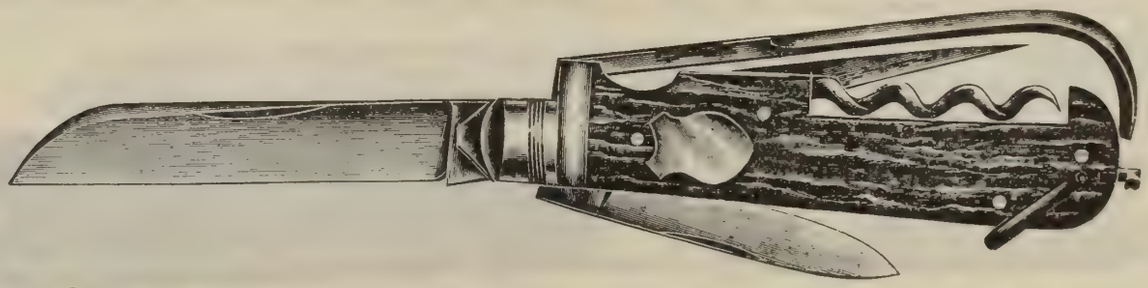
Stag Handle; length, 3¾ inches; Anglo-Saxon pattern; 3 polished blades—one spear, one pen and one speying; Empire silver bolsters; brass lining; average weight per dozen, 1¾ pounds.



No. 290863. List per dozen 31.20

Black Buff Handle; length, 4 1/16 inches; Anglo-Saxon pattern; 3 blades—one spear, one pen and one file; full polished; etched; Empire silver bolsters and name shield; brass lining; average weight per dozen, 2¼ pounds.

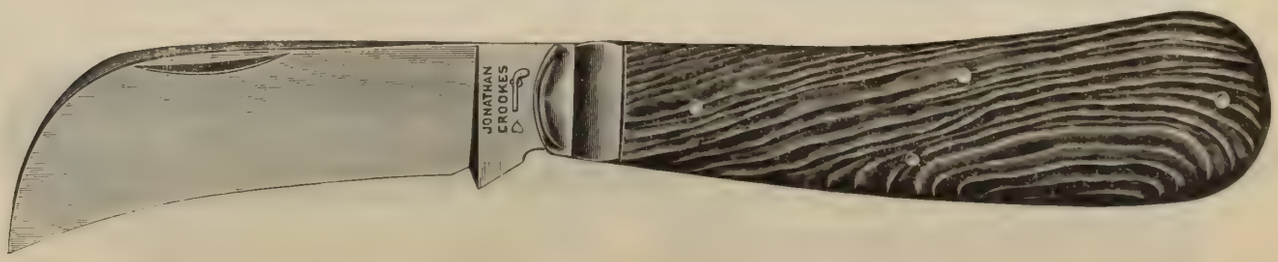
COMBINATION KNIVES



No. 391156. List per dozen 39.00

Stag Handle; length, 3⅜ inches; combination knife; 7 polished blades and tools—one long coping and one pen blade, one corkscrew, one screw-driver; one hoof cleaner; one square reamer; one steel needle; Empire silver bolster, name plate and shackle; thumb notched; iron lining; average weight per dozen, 2½ pounds.

PRUNING KNIVES



No. 433. List per dozen 21.00

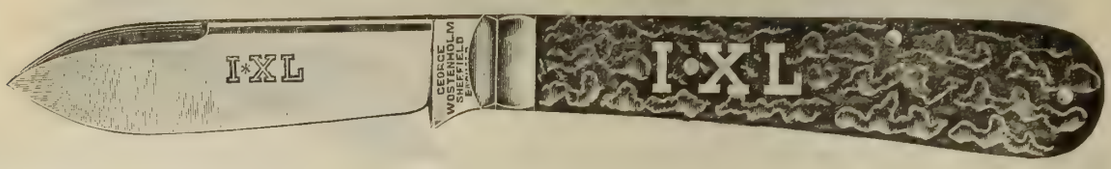
Cocobolo Handle; length, 3⅞ inches; pruner pattern; 1 full polished large pruner blade; polished iron rat tail bolster; iron lining; average weight per dozen, 2¾ pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

WOSTENHOLM'S POCKET KNIVES

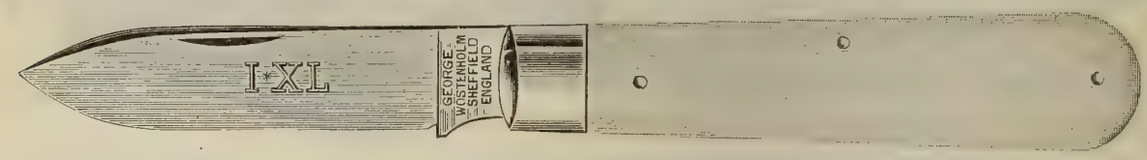
Manufactured by George Wostenholm & Son, Limited, Sheffield England.

ONE BLADE JACK KNIVES



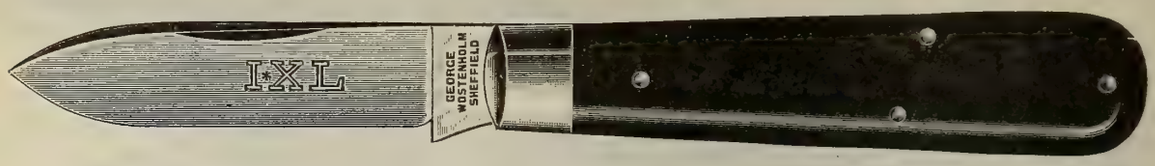
No. 900. List per dozen 12:00

Stag Handle; length, 3⅜ inches; regular jack pattern; 1 polished large spear blade, polished rat tail bolster; iron lining; average weight per dozen, 1⅜ pounds.



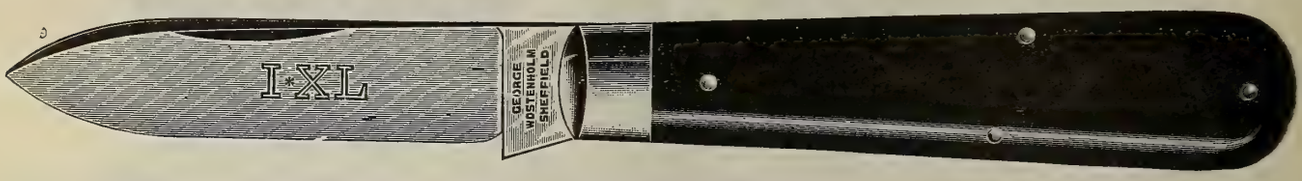
No. 901. List per dozen 12.00

Black Buff Handle; length, 3⅜ inches; regular jack pattern; 1 polished spear blade; etched; polished iron bolster; iron lining; average weight per dozen, 1½ pounds.



No. 902. List per dozen 13.60

Black Buff Handle; length, 3⅝ inches; regular jack pattern; 1 polished large spear blade; polished iron bolsters; iron lining; average weight per dozen, 1¾ pounds.



No. 903. List per dozen 15.00

Black Buff Handle; length, 3⅞ inches; regular jack pattern; 1 polished large spear blade; etched; polished iron bolster; iron lining; average weight per dozen, 2 pounds.

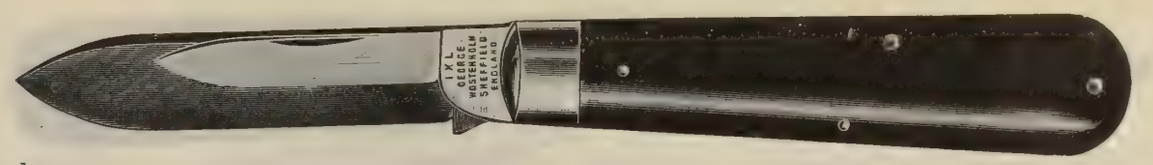
No. 904. List per dozen 16.00

Black Buff Handle; length, 3⅞ inches; swell centre jack pattern; 1 polished large spear blade; polished iron bolster; iron lining; average weight per dozen, 1½ pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

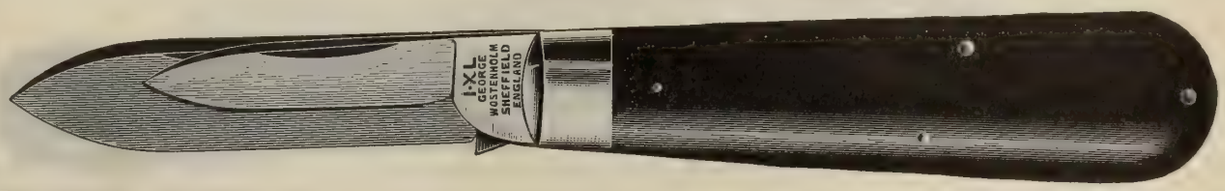
WOSTENHOLM'S POCKET KNIVES

TWO BLADE JACK KNIVES



No. 934. List per dozen 19.20

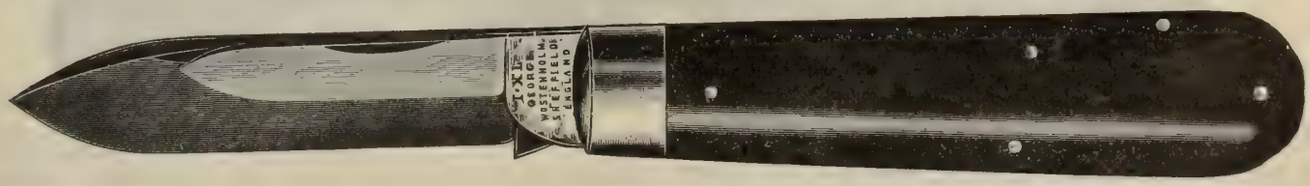
Black Buff Handle; length, 3 7/16 inches; regular jack pattern; 2 glazed finish blades—one spear and one pen; polished iron bolster; iron lining; average weight per dozen, 2¼ pounds.



No. 932. White Bone Handle. List per dozen 20.40

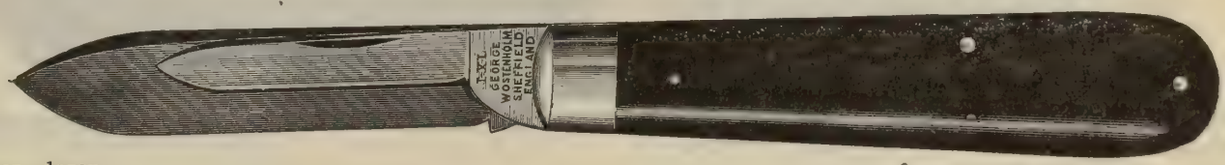
No. 935. Black Buff Handle. List per dozen 21.60

Length, 3⅝ inches; regular jack pattern; 2 glazed finish blades—one spear and one pen; polished iron bolster; iron lining; average weight per dozen, 2½ pounds.



No. 936. List per dozen 24.00

Black Buff Handle; length, 3⅞ inches; regular jack pattern; 2 glazed finish blades—one spear and one pen; polished iron bolster; iron lining; average weight per dozen, 2¾ pounds.

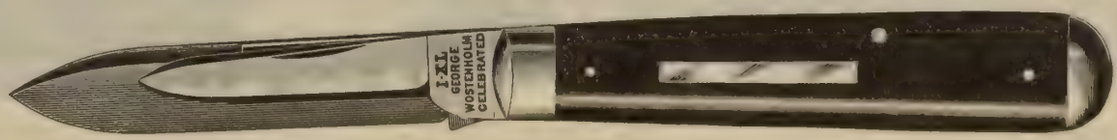


No. 924. List per dozen 19.60

Ebonized Handle; length,, 3⅝ inches; regular jack pattern; 2 glazed finish blades—one long spear and one pen; polished iron bolster; iron lining; average weight per dozen, 2 pounds.

No. 937. List per dozen 20.40

Buff Handle; length, 3⅝ inches; regular jack pattern; 2 glazed finish blades—one spear and one pen; polished iron bolster; brass lining; average weight per dozen, 1½ pounds.



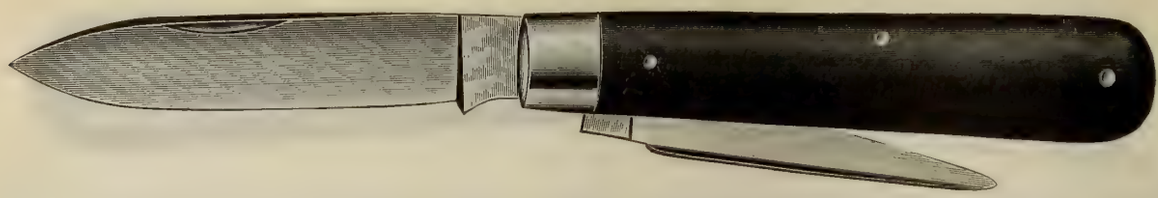
No. 947. List per dozen 25.20

Black Buff Handle; length, 3 5/16 inches; regular jack pattern; 2 polished blades—one long spear and one pen; Empire silver bolster, tip and name plate; brass lining; average weight per dozen, 2¼ pounds.

All 1/2 Dozen in a Box; **ILLUSTRATIONS ARE FULL SIZE.**

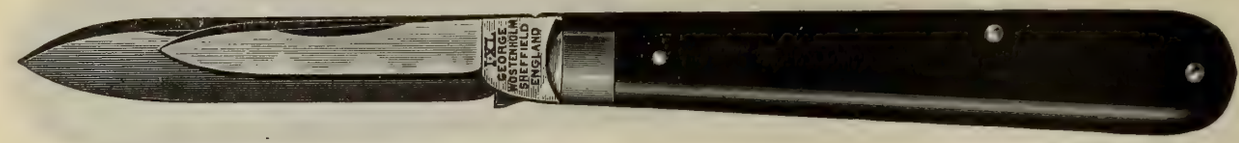
WOSTENHOLM'S POCKET KNIVES

TWO BLADE JACK KNIVES



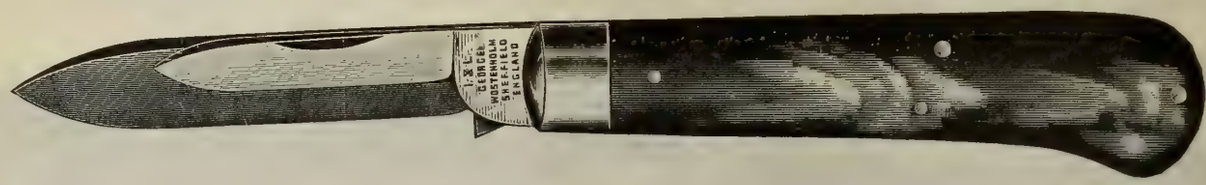
No. 9071. List per dozen 19.20

Ebonized Handle; length, 3⅜ inches; regular jack pattern; 2 full polished blades—one spear and one leather punch; Empire silver bolster; iron lining; average weight per dozen, 1¾ pounds.



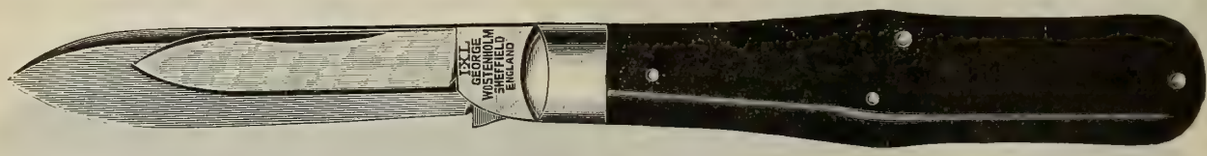
No. 938. List per dozen 21.60

Black Buff Handle; length, 3⅝ inches; regular jack pattern; 2 polished blades—one spear and one pen; polished iron bolster; brass lining; average weight per dozen, 2 pounds.



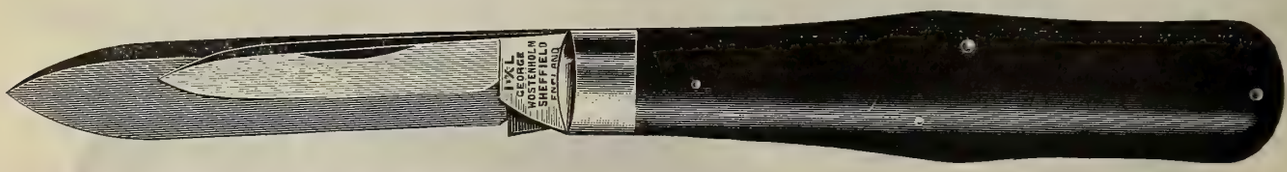
No. 940. List per dozen 22.80

Black Buff Handle; length, 3⅝ inches; swell end jack pattern; 2 polished blades—one spear and one pen; Empire silver bolster; iron lining; average weight per dozen, 2¼ pounds.



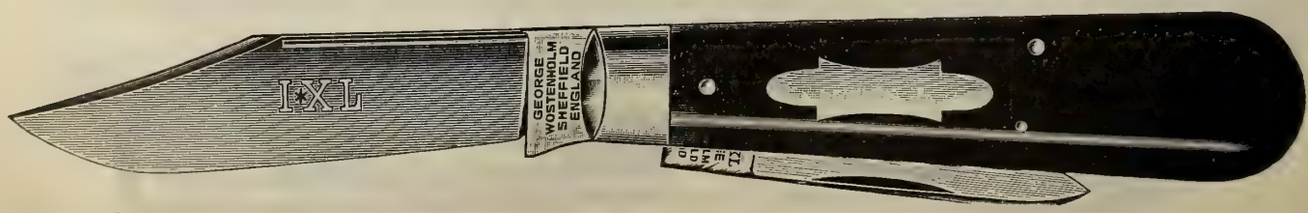
No. 942. List per dozen 23.60

Black Buff Handle; length, 3 11/16 ins.; swell centre jack pattern; 2 polished blades—one spear and one pen; polished iron bolster; iron lining; average weight per dozen, 2 pounds.



No. 943. List per dozen 25.20

Black Buff Handle; length, 3⅞ inches; swell centre jack pattern; 2 polished blades—one spear and one pen; Empire silver bolster; iron lining; average weight per dozen, 2¼ pounds.



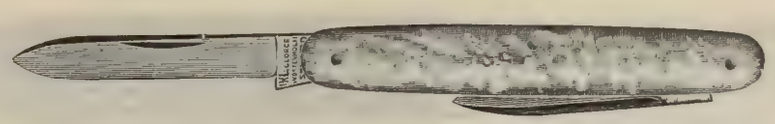
No. 950. List per dozen 37.60

Black Buff Handle; length, 4 inches; regular jack pattern; 2 polished blades—one large clip and one pen; etched; Empire silver bolster and name plate; brass lining; average weight per dozen, 3 pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

WOSTENHOLM'S POCKET KNIVES

TWO BLADE PEN KNIVES



No. 9081. List per dozen 30.00

Pearl Handle; length, 2½ inches; equal end pen pattern; 2 mirror finish blades—one pen and one small pen; uncapped; brass lining; average weight per dozen, 1/2 pound.

No. 9082. List per dozen 34.80

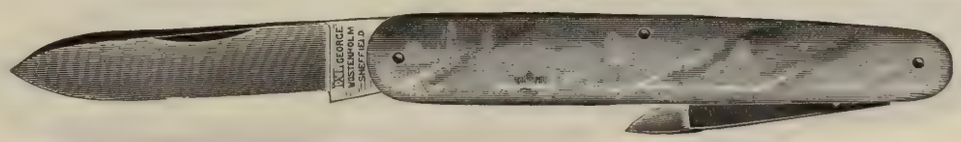
Pearl Handle; length, 2¾ inches; equal end pen pattern; 2 mirror finish blades--one small spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.

No. 9083. List per dozen 42.00

Pearl Handle; length, 3 inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1¼ pounds.

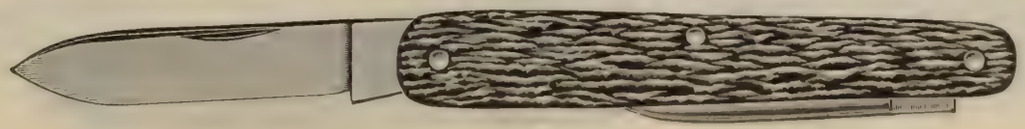
No. 9000. List per dozen 19.60

Buff Handle; length, 3⅛ inches; shadow pattern; 2 polished blades—one small spear and one pen; uncapped; brass lining; average weight per dozen, 3/4 pound.



No. 9002. List per dozen 34.80

Pearl Handle; length, 3⅛ inches; shadow pattern; 2 mirror finish blades—one spear and one nail file; uncapped; brass lining; average weight per dozen, 3/4 pound.



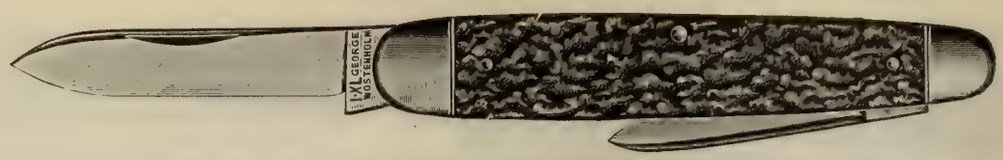
No. 9086. List per dozen 18.00

Stag Handle; length, 3⅜ inches; shadow pattern; 2 full polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 3/4 pound.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

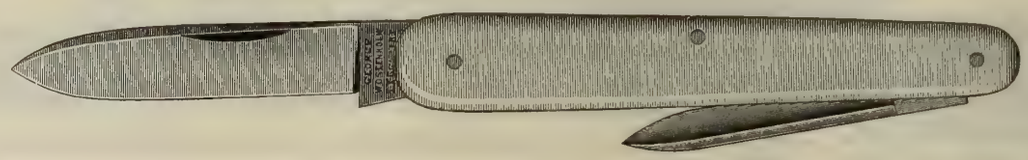
WOSTENHOLM'S POCKET KNIVES

TWO BLADE PEN KNIVES



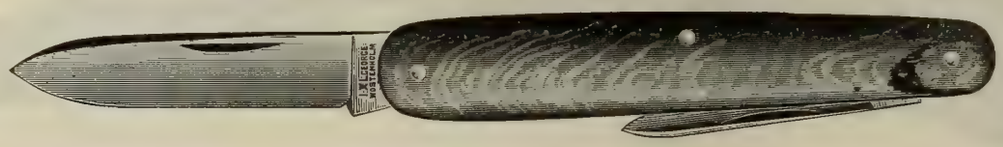
No. 9080. List per dozen 18.00

Stag Handle; length, 3 5/16 inches; Anglo-Saxon pattern; 2 polished blades—one spear and one pen; Empire silver bolsters; brass lining; average weight per dozen, 1 pound.



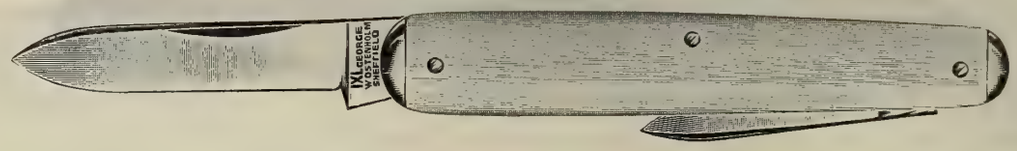
No. 9004. List per dozen 16.00

White Xylo Handle; length, 3⅜ inches; shadow pattern; 2 polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 3/4 pound.



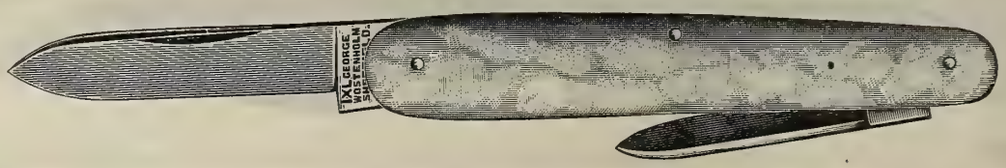
No. 9003. List per dozen 19.20

Buff Handle; length, 3⅜ inches; shadow pattern; 2 polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 3/4 pound.



No. 9007. List per dozen 20.00

White Xylo Handle; length, 3⅜ inches; shadow pattern; 2 mirror finish blades—one spear and one pen; Empire silver tips; brass lining; average weight per dozen, 1 pound.



No. 9005. List per dozen 41.20

Pearl Handle; length, 3⅜ inches; shadow pattern; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 1 pound.

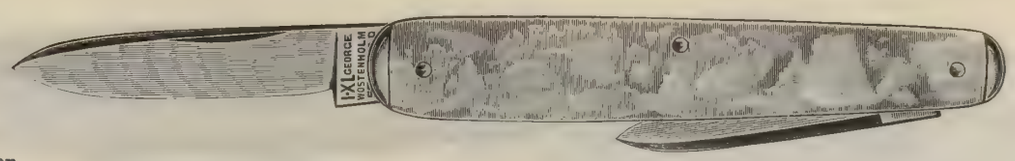
No. 9006. List per dozen 23.20

Buff Handle; length, 3 7/16 inches; shadow pattern; 2 mirror finish blades—one spear and one pen; Empire silver tips; brass lining; average weight per dozen, 1 pound.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

WOSTENHOLM'S POCKET KNIVES

TWO BLADE PEN KNIVES



No. 9008. List per dozen 43.20

Pearl Handle; length, 3⅜ inches; shadow pattern; 2 mirror finish blades—one spear and one pen; Empire silver tips; brass lining; average weight per dozen, 1 pound.

No. 31140. List per dozen 33.60

Stag Handle; length, 3½ inches; Anglo-Saxon cattle pattern; 2 polished blades—one large spear and one spey; Empire silver bolsters and name shield; brass lining; average weight per dozen, 2 pounds.

THREE BLADE PEN KNIVES

No. 9010. List per dozen 27.60

White Xylo Handle; length, 3 5/16 inches; shadow pattern; 3 mirror finish blades—one spear and two pen; uncapped; brass lining; average weight per dozen, 3/4 pound.

No. 9009. List per dozen 30.40

Buff Handle; length, 3 5/16 inches; shadow pattern; 3 mirror finish blades—one spear and two pen; uncapped; brass lining; average weight per dozen, 3/4 pound.

No. 9034. List per dozen 39.60

Stag Handle; length, 3⅝ inches; Wharncliffe pattern; 3 mirror finish blades—one Wharncliffe and two pen; Empire silver rat tail bolsters; iron lining; average weight per dozen, 1½ pounds.

No. 9032. List per dozen 38.40

Black Buff Handle; length, 3⅝ inches; equal end cattle pattern; 3 full polished blades—one spear, one sheep foot and one pen; Empire silver bolsters and name shield; iron lining; average weight per dozen, 2¼ pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

WOSTENHOLM'S POCKET KNIVES

THREE BLADE CATTLE KNIVES

No. 9033½. List per dozen 39.60

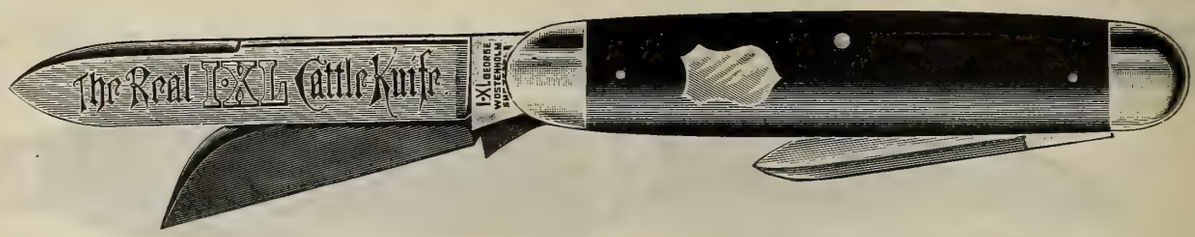
Buff Handle; length, 3⅝ inches; equal end cattle pattern; thumb notched; 3 polished blades, one long spear, one spey and one pen; Empire silver bolsters and name shield; brass lining; average weight per dozen, 3¼ pounds.

No. 9033. List per dozen 39.60

Stag Handle; length, 3⅝ inches; equal end cattle pattern; 3 full polished blades—one long spear, one sheep foot and one pen; Empire silver bolsters and name shield; brass lining; average weight per dozen, 2 pounds.

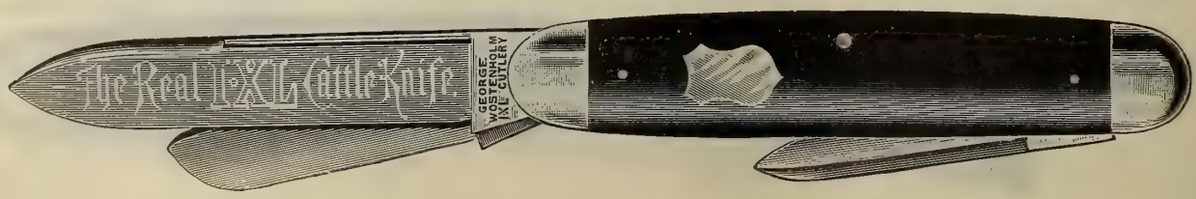
No. 9039. List per dozen 39.60

Stag Handle; length, 3⅝ inches; equal end cattle pattern; 3 full polished blades—one long spear, one sheep foot and one pen; Empire silver bolsters and name shield; iron lining; average weight per dozen, 3¼ pounds.



No. 9043. List per dozen 44.40

Buff Handle; length 3⅝ inches; equal end cattle pattern; 3 mirror finish blades—one long spear, one sheep foot and one pen; etched; Empire silver bolsters and name shield; brass lining; average weight per dozen, 2 pounds.



No. 9043½. List per dozen 44.40

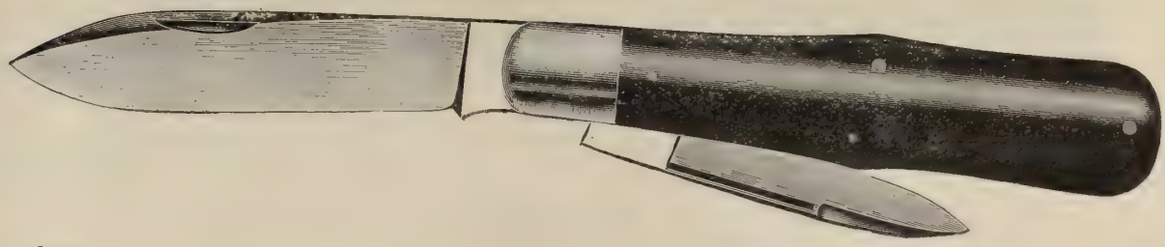
Black Buff Handle; length, 3⅝ inches; equal end cattle pattern; thumb notched; 3 mirror finish blades—one spear, one spey and one pen; Empire silver bolsters and name shield; brass lining; average weight per dozen, 2 pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

EXCELSIOR BRAND POCKET KNIVES

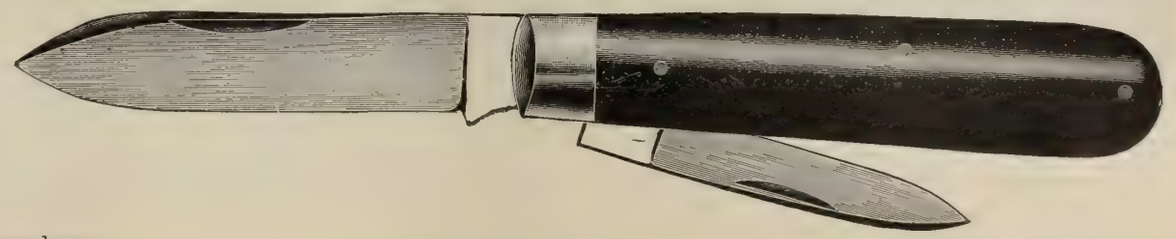
Manufactured by Geo. Wostenholm & Son, Sheffield, England.

TWO BLADE JACK KNIVES



No. 9430. List per dozen 20.00

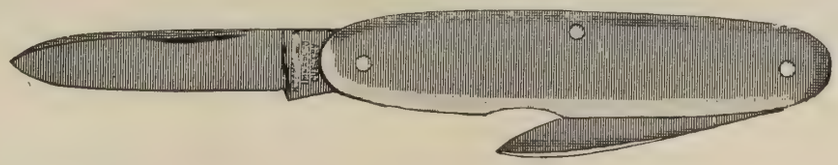
Black Composition Handle; length, 3¾ inches; swell centre jack pattern; 2 polished blades; one spear and one pen; Empire silver bolster; iron lining, average weight per dozen, 2 pounds.



No. 9340. List per dozen 18.00

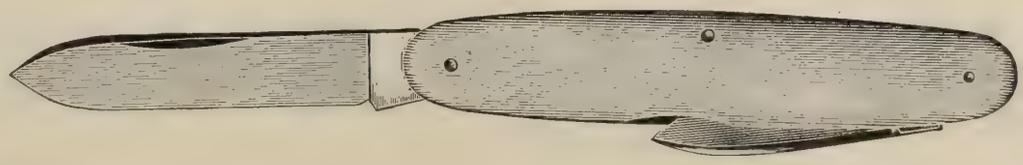
Black Composition Handle; length, 3 7/16 inches; regular jack pattern; 2 polished blades, one spear and one pen; Empire silver bolster; iron lining, average weight per dozen, 2½ pounds.

TWO BLADE PEN KNIVES



No. 3600. List per dozen 14.00

White Grained Celluloid Handle; length, 2¾ inches; oval pattern; 2 polished blades, one spear and one pen; uncapped; brass lining; thumb notched; average weight per dozen, 5/8 pound.



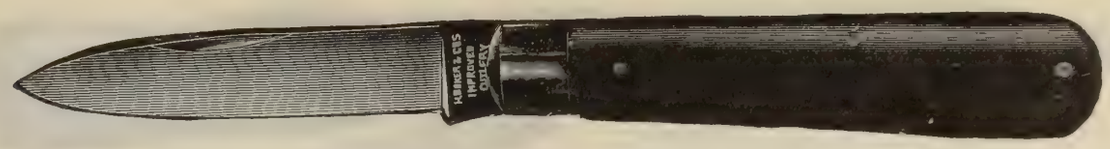
No. 3610. List per dozen 17.00

White Grained Celluloid Handle; length, 3 5/16 inches; oval pattern; 2 polished blades, one spear and one pen; uncapped; brass lining; thumb notched; average weight per dozen, 1 pound.

All 1/2 dozen in a box; **ILLUSTRATIONS ARE FULL SIZE.**

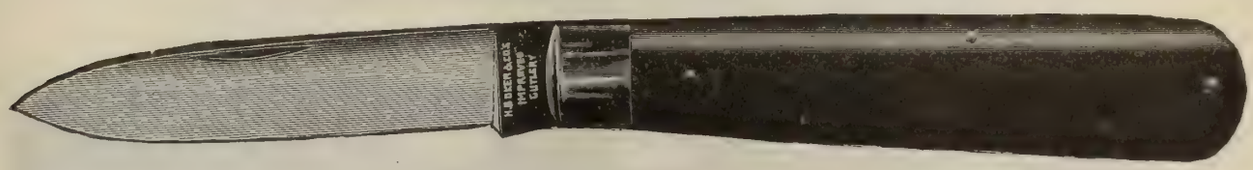
BOKER'S POCKET KNIVES

ONE BLADE JACK KNIVES



No. 03134. List per dozen 9.60

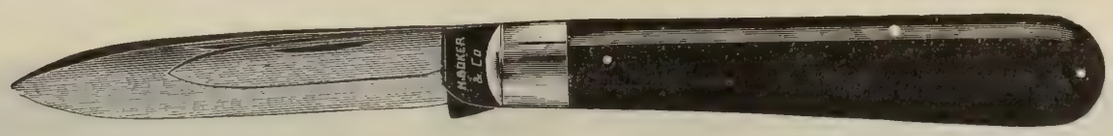
Black Buff Handle; length, 3¼ inches; regular jack pattern; 1 polished large spear blade; polished iron bolster; iron lining; average weight per dozen, 1 pound.



No. 0306. List per dozen 10.80

Ebonized Wood Handle; length, 3¾ inches; regular jack pattern; 1 polished large spear blade; polished iron bolster; iron lining; average weight per dozen, 1¾ pounds.

TWO BLADE JACK KNIVES



No. 0301. List per dozen 12.50

Ebonized Wood Handle; length, 3¼ inches; regular jack pattern; 2 polished blades—one large spear and one pen; German silver bolster; iron lining; average weight per dozen, 1⅝ pounds.

No. 0302. List per dozen 13.40

Buff Handle; length, 3½ inches; regular jack pattern; 2 polished blades—one large spear and one pen; German silver bolster; iron lining; average weight per dozen, 2 pounds.

No. 0303. List per dozen 14.70

Black Buff Handle; length, 3¾ inches; regular jack pattern; 2 polished blades—one large spear and one pen; German silver bolster; iron lining; average weight per dozen, 2 pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

BOKER'S POCKET KNIVES

TWO BLADE JACK KNIVES

No. 03115. List per dozen 19.20

Ebonized Wood Handle; length, 3½ inches; swell centre jack pattern; 2 polished blades—one sabre and one large pen; polished iron bolster; German silver name shield; iron lining; average weight per dozen, 2 pounds.

No. 0324. List per dozen 29.60

Ebonized Wood Handle; length, 3¾ inches; swell centre jack pattern; 2 mirror finished blades—one sabre and one pen; etched; German silver bolster and name shield; brass lining; average weight per dozen, 2 pounds.

No. 0323. List per dozen 22.50

Buff Handle; length, 3¾ inches; swell centre jack pattern; 2 full polished blades—one sabre and one large pen; German silver bolster and name shield; iron lining; average weight per dozen, 2¼ pounds.

No. 03116. List per dozen 28.80

Ebonized Wood Handle; length, 3⅝ inches; regular jack pattern; 2 mirror finish blades—one large spear and one pen; etched; German silver bolster, tip and name plate; brass lining; average weight per dozen, 2½ pounds.

No. 0351. List per dozen 25.50

Ebony Handle; length, 3⅝ inches; equal end jack pattern; 2 mirror finish blades—one long spear and one pen; etched; German silver bolsters and name plate; brass lining; average weight per dozen, 2 pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

BOKER'S POCKET KNIVES

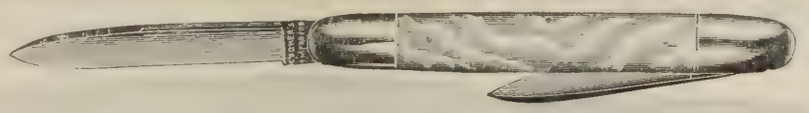
TWO BLADE PEN KNIVES

No. 0385. List per dozen 27.00

Pearl Handle; length, 2¼ inches; serpentine pattern; 2 mirror finish blades—one small spear and one small pen; uncapped; brass lining; average weight per dozen, 5 ounces.

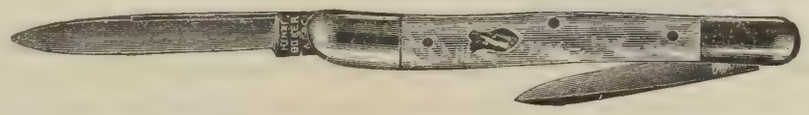
No. 03165. List per dozen 9.50

White Grained Celluloid Handle; length, 2½ inches; Senator pattern; 2 full polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 6 ounces.



No. 0366. List per dozen 24.00

Pearl Handle; length, 2½ inches; equal end pen pattern; 2 full polished blades—one small spear and one pen; German silver long bolsters; brass lining; average weight per dozen, 5/8 pound.



No. 0388. List per dozen 33.60

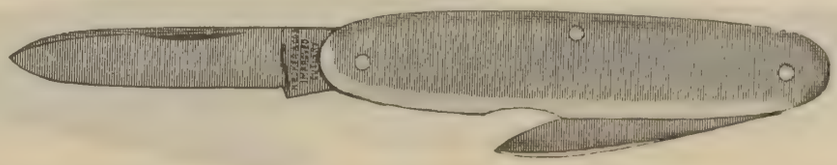
Pearl Handle; length, 2⅝ inches; serpentine pattern; 2 full polished blades—one small spear and one pen; German silver long bolsters and name shield; brass lining; average weight per dozen, 1/2 pound.

No. 0387. List per dozen 23.00

Pearl Handle; length, 2⅝ inches; equal end pen pattern; 2 blades, one mirror finish small spear and one file blade; German silver long bolsters; brass lining; average weight per dozen, 1/2 pound.

No. 03101. List per dozen 20.50

Imitation Smoked Pearl Handle; length, 2¾ inches; Senator pattern; 2 mirror finish blades—one large and one small pen; etched; German silver bolsters and name plate; brass lining; average weight per dozen, 11 ounces.



No. 0360. List per dozen 18.40

White Grained Celluloid Handle; length, 2¾ inches; equal end pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; etched; uncapped; brass lining; average weight per dozen, 3/4 pound.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

BOKER'S POCKET KNIVES

TWO BLADE PEN KNIVES

No. 0363. List per dozen 14.00

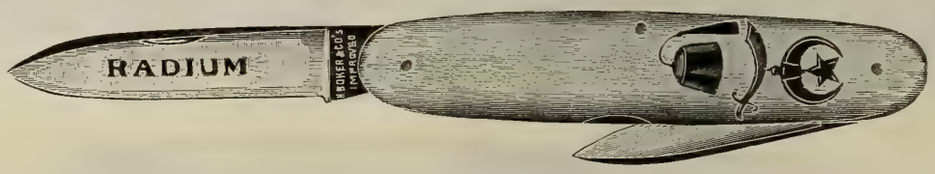
White Grained Celluloid Handle; length, 3 inches; shadow pattern; 2 polished blades—one spear and one pen; uncapped; brass lining; average weight per dozene, 3/4 pound.

No. 0362. List per dozen 14.00

Black Composition Handle; length, 3 inches; shadow pattern; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 3/4 pound.

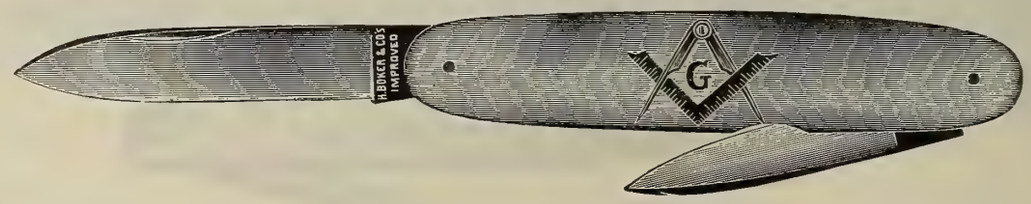
No. 03154. List per dozen 19.00

White Celluloid Handle with Knights of Columbus Crest; length, 3 inches; oval pattern; 2 mirror finish blades—one spear and one pen; etched and uncapped; brass lining; average weight per dozen, 12 ounces.



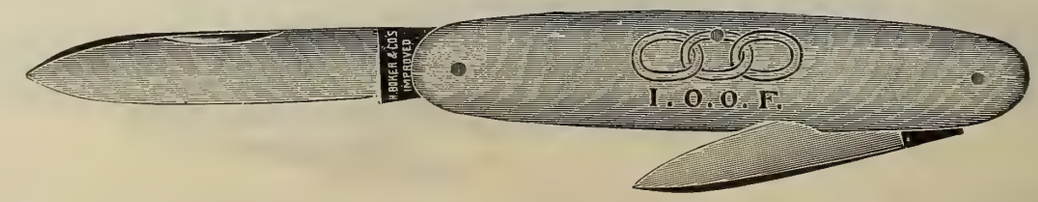
No. 03152. List per dozen 19.00

White Celluloid Handle with Mystic Shriners Crest; length, 3 inches; oval pattern; 2 mirror finish blades—one spear and one pen; etched and uncapped; brass lining; average weight per dozen, 12 ounces.



No. 03150. List per dozen 19.00

White Celluloid Handle with Masonic Crest; length, 3 inches; oval pattern; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 12 ounces.



No. 03151. List per dozen 19.00

White Celluloid Handle with Oddfellows Crest; length, 3 inches; oval pattern; 2 mirror finish blades—one spear and one pen; etched and uncapped; brass lining; average weight per dozen, 12 ounces.

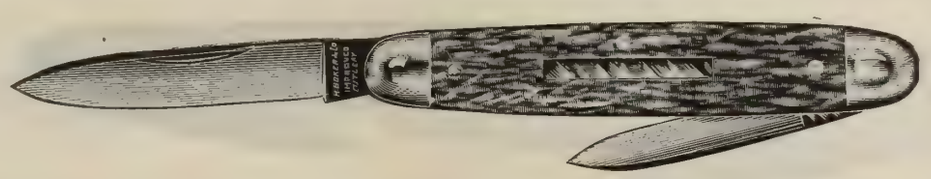
All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

BOKER'S POCKET KNIVES

TWO BLADE PEN KNIVES

No. 03102. List per dozen 20.50

Imitation Smoked Pearl Handle; length, 3 inches; Senator pattern; 2 mirror finish blades—one spear and one pen; etched; German silver bolsters and name plate; brass lining; average weight per dozen, 13 ounces.



No. 0371. List per dozen 19.00

Stag Handle; length, 3 inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 3/4 pound.

No. 0356. List per dozen 18.80

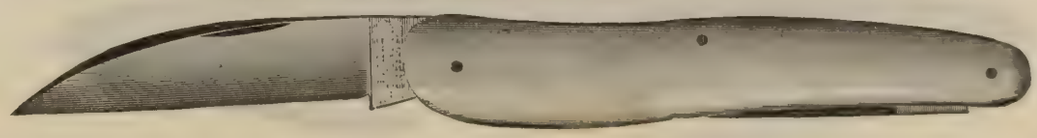
Gun-Metal Handle; length, 3 inches; oval pattern; thin model; thumb notched; 2 mirror finish blades—one spear and one pen; etched; average weight per dozen, 1 pound.

No. 03136. List per dozen 14.00

Ebony Handle; length, 3⅛ inches; Senator pattern; 2 polished pen blades; German silver bolsters; brass lining; average weight per dozen, 1 pound.

No. 03138. List per dozen 15.30

Stag Handle; length, 3 3/16 ins.; equal end pen pattern; 2 full polished blades—one spear and one pen; German silver bolsters; brass lining; average weight per dozen, 1 pound.



No. 0380. List per dozen 17.50

White Grained Celluloid Handle; length, 3⅛ inches; Wharncliffe pattern; 2 mirror finished blades—one Wharncliffe and one pen; uncapped; brass lining; average weight per dozen, 12 ounces.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

BOKER'S POCKET KNIVES

TWO BLADE PEN KNIVES

No. 0379. List per dozen 17.50

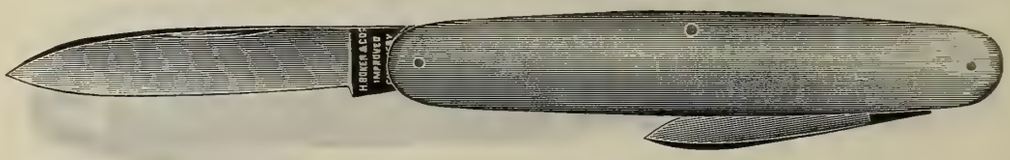
Buff Handle; length, 3⅛ inches; Wharncliffe pattern; 2 mirror finished blades—one Wharncliffe and one pen; uncapped; brass lining; average weight per dozen, 7/8 pound.

No. 0355. List per dozen 18.60

Pearl Handle; length, 3 inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and band; brass lining; average weight per dozen, 3/4 pound.

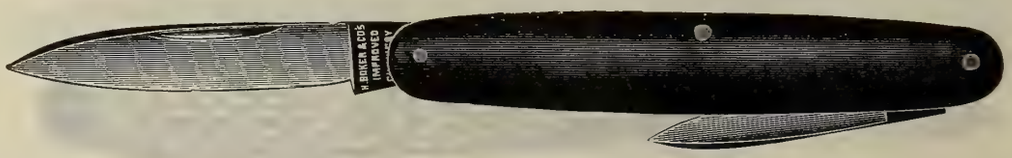
No. 0321. List per dozen 33.60

Pearl Handle; length, 3⅛ inches; Senator pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters; brass lining; average weight per dozen, 1 pound.



No. 03132. List per dozen 10.80

White Grained Celluloid Handle; length 3 3/16 inches; equal end pen pattern; 2 full polished blades—one spear and one pen; uncapped; iron lining; average weight per dozen, 10 ounces.



No. 03133. List per dozen 12.50

Black Composition Handle; length, 3¼ inches; equal end pen pattern; 2 full polished blades—one spear and one pen; uncapped, iron lining; average weight per dozen, 3/4 pound.

No. 03137. List per dozen 15.30

White Grained Celluloid Handle; length, 3 3/16 ins.; equal end pen pattern; 2 full polished blades—one spear and one pen; German silver bolsters; brass lining; average weight per dozen, 1 pound.

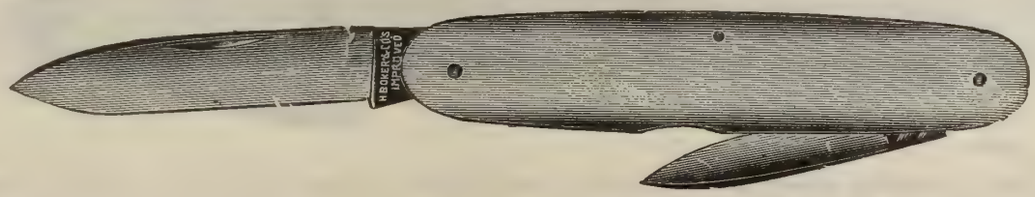
All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

BOKER'S POCKET KNIVES

TWO BLADE PEN KNIVES

No. 03103. List per dozen 20.00

Imitation Smoked Pearl Handle; length, 3¼ inches; equal end pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; etched, uncapped; brass lining; average weight per dozen, 14 ounces.



No. 0361. List per dozen 20.00

White Grained Celluloid Handle; length, 3¼ inches; equal end pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; etched; uncapped; brass lining; average weight per dozen, 14 ounces.

No. 0365. List per dozen 23.10

Stag Handle; length, 3¼ inches; Senator pattern; 2 polished blades—one spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 7/8 pound.

No. 0376. List per dozen 51.20

Pearl Handle; length, 3¼ inches; Senator pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 13 ounces.

No. 0315. List per dozen 24.00

Black Composition Handle; length, 3⅜ inches; equal end pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; etched; German silver bolsters; average weight per dozen, 1 pound.

No. 0316. List per dozen 20.40

Stag Handle; length, 3 5/16 ins.; equal end pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; etched; German silver bolsters; brass lining; average weight per dozen, 1 pound.

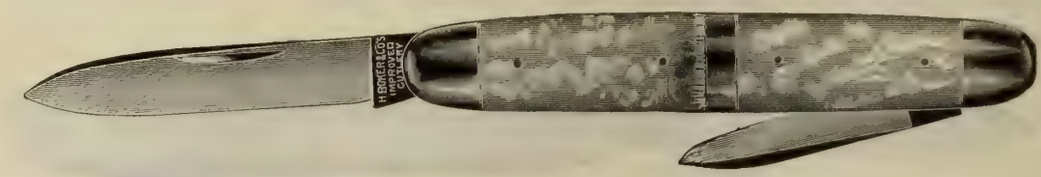
All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

BOKER'S POCKET KNIVES

TWO BLADE PEN KNIVES

No. 0364. List per dozen 19.80

Black Buff Handle; length, 3¼ inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 14 ounces.



No. 03131. List per dozen 34.50

Pearl Handle; length, 3⅜ inches; Senator pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and band; brass lining; average weight per dozen, 10 ounces.

No. 038. List per dozen 24.00

Pearl Handle; length, 3⅜ inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and band; brass lining; average weight per dozen, 1 pound.

No. 0317. List per dozen 52.80

Pearl Handle; length, 3⅜ inches; oval pattern; thumb notched; 2 mirror finish blades—one spear and one pen; German silver bolsters; brass lining; average weight per dozen, 24 ounces.

No. 03140. List per dozen 22.10

Stag Handle; length, 3 5/16 inches; Wharncliffe pattern; 2 mirror finish blades—one Wharncliffe and one pen; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 1¼ pounds.

No. 03155. List per dozen 37.20

Stag Handle; length, 3½ inches; Anglo-Saxon pattern; 2 mirror finish blades—one broad spear and one pen; German silver bolsters and name shield; brass lining; average weight per dozen, 2 pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

BOKER'S POCKET KNIVES

TWO BLADE PEN KNIVES

No. 0381. List per dozen 26.40

Stag Handle; length, 3 11/16 ins.; Senator pattern; 2 mirror finished blades—one spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 1½ pounds.

No. 03191. List per dozen 26.40

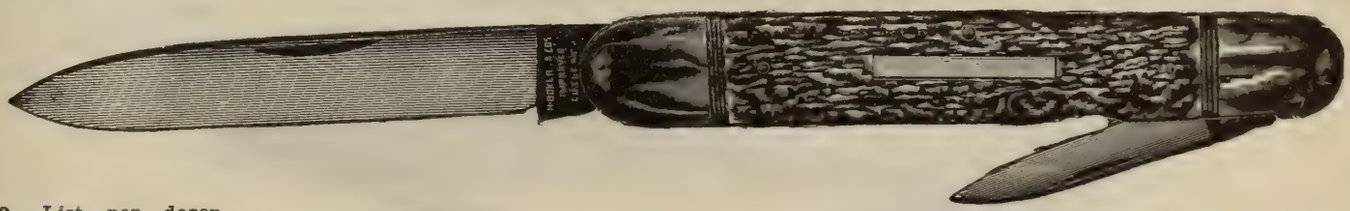
Stag Handle; length, 3¾ inches; Anglo-Saxon pattern; 2 mirror finish blades—one large spear and one pen; etched; German silver bolsters and name plate; brass lining; average weight per dozen, 2 pounds.

No. 0382. List per dozen 27.00

Stag Handle; length, 3¾ inches; Wharncliffe pattern; 2 mirror finish blades—one Wharncliffe and one pen; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 1½ pounds.

No. 03129. List per dozen 30.00

Stag Handle; length, 4 inches; equal end pattern; 2 mirror finish blades—one large spear and one pen; etched; German silver bolsters and name plate; brass lining; average weight per dozen, 2 pounds.



No. 03130. List per dozen 29.60

Stag Handle; length, 4 inches; Anglo-Saxon pattern; 2 mirror finish blades—one long spear and one pen; etched; German silver bolsters and name plate; brass lining; average weight per dozen, 1¾ pounds.

THREE BLADE PEN KNIVES

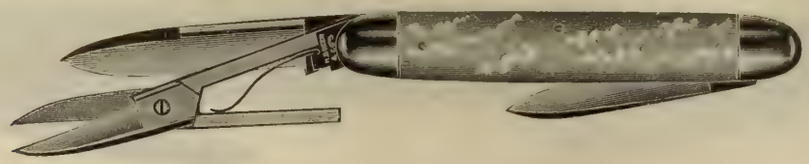
No. 0322. List per dozen 38.40

Stag Handle; length, 4 inches; Anglo-Saxon pattern; 3 mirror finish blades—one large spear and two pens; etched; German silver bolsters and name plate; brass lining; average weight per dozen, 2 pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

BOKER'S POCKET KNIVES

THREE BLADE PEN KNIVES

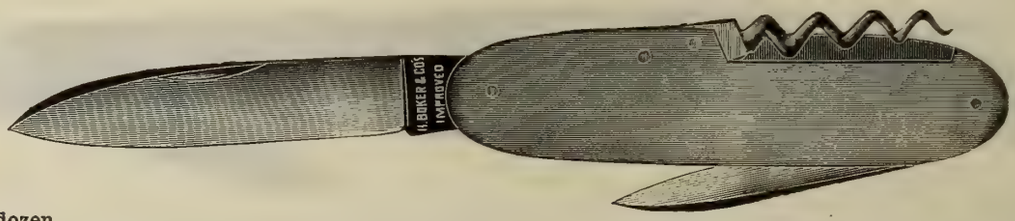


No. 01½. List per dozen 47.00

Pearl Handle; length, 2½ inches; Senator pattern; one spear, one pen and one scissors, all mirror finish; etched; German silver bolsters; brass lining; average weight per dozen, 12 ounces.

No. 03124. List per dozen 40.00

Pearl Handle; length, 3 inches; equal end pen pattern; 3 mirror finish blades—one spear and two pen; German silver bolsters; brass lining; average weight per dozen, 1 pound.

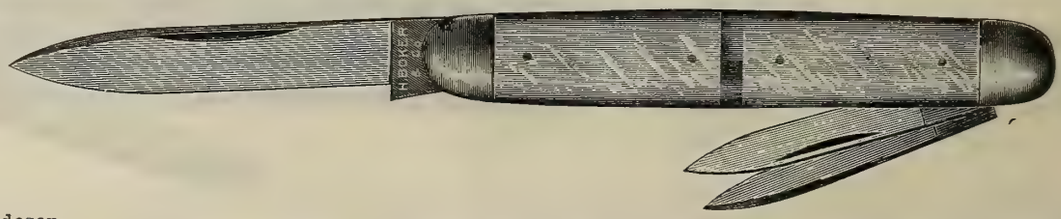


No. 03180. List per dozen 33.60

White Grained Celluloid Handle; length, 3 inches; oval pattern; thumb notched; 2 mirror finish blades—one spear, one pen, also cork screw; etched; uncapped; brass lining; average weight per dozen, 1 pound.

No. 0396. List per dozen 31.20

Stag Handle; length, 3⅜ inches; equal end pen pattern; 3 mirror finish blades—one spear, one pen, and one file; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 1¼ pounds.



No. 0392. List per dozen 45.00

Pearl Handle; length, 3⅜ inches; Senator pattern; 3 blades—one spear, one pen and one file blade; mirror finish; etched; German silver bolsters and band; brass lining; average weight per dozen, 18 ounces.

No. 0395. List per dozen 36.00

Stag Handle; length, 3⅝ inches; Anglo-Saxon pattern; thumb notched; 3 mirror finish blades—one long spear, one pen and one file; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 1¾ pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

BOKER'S POCKET KNIVES

THREE BLADE PEN KNIVES

No. 0319. List per dozen 34.40

Stag Handle; length, 3¾ inches; Anglo-Saxon pattern; 3 mirror finish blades—one large spear and two pen; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 1¾ pounds.

No. 0394. List per dozen 35.00

Stag Handle; length, 3¾ inches; Wharncliffe pattern; 3 mirror finish blades—one Wharncliffe and two pens; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 1¾ pounds.

FOUR BLADE PEN KNIVES

No. 0326. List per dozen 44.00

Pearl Handle; length, 3 inches; Senator pattern; 4 blades—one spear, 2 pens and one file; mirror finish; German silver bolsters and band; brass lining; average weight per dozen, 1 pound.

No. 0350½. List per dozen 26.50

Stag Handle; length, 3¼ inches; equal end pen pattern; 4 blades—one spear, two pens and one file; mirror finish; German silver bolsters and name plate; brass lining; average weight per dozen, 1¼ pounds.

No. 0333. List per dozen 48.00

Pearl Handle; length, 3⅜ inches; equal end pen pattern; 4 blades—one spear and two pen, mirror finish, also file blade; German silver bolsters; brass lining; average weight per dozen, 1¼ pounds.

No. 03123. List per dozen 69.00

Pearl Handle; length, 3¼ inches; Senator pattern; 4 mirror finish blades—one spear, two pens and one file; German silver bolsters; brass lining; average weight per dozen, 1 pound.

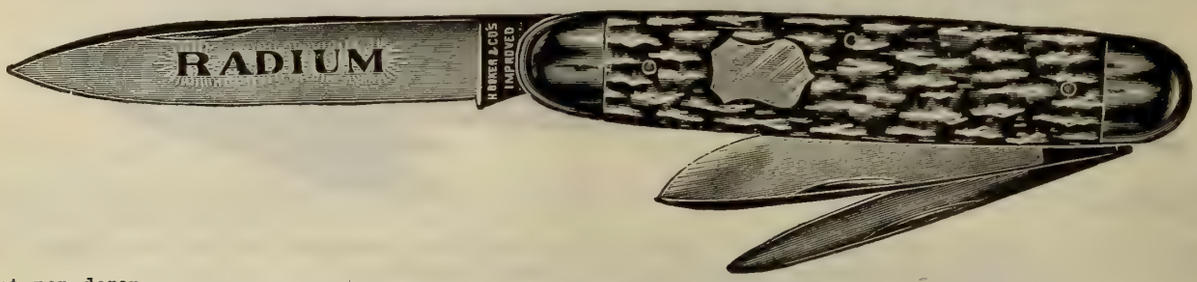
All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

BOKER'S POCKET KNIVES

THREE BLADE CATTLE KNIVES

No. 03111. List per dozen 50.40

Stag Handle; length, 3½ inches; Anglo-Saxon pattern; thumb notched; 3 full polished blades—one broad spear, one sheep foot and one speying; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 2¼ pounds.



No. 03139. List per dozen 40.80

Stag Handle; length, 3⅝ inches; equal end cattle pattern; thumb notched; 3 polished blades—one large spear, one pen and one leather punch; German silver bolsters and name shield; brass lining; average weight per dozen, 2½ pounds.

No. 03110. List per dozen 42.00

Stag Handle; length, 3⅝ inches; equal end cattle pattern; 3 full polished blades—one large spear, one sheep foot and one speying; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 2 pounds.

No. 03112. List per dozen 54.00

Stag Handle; length, 3⅞ inches; equal end cattle pattern; thumb notched; 3 mirror finish blades—one large spear, one speying and one sheep foot; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 2¼ pounds.

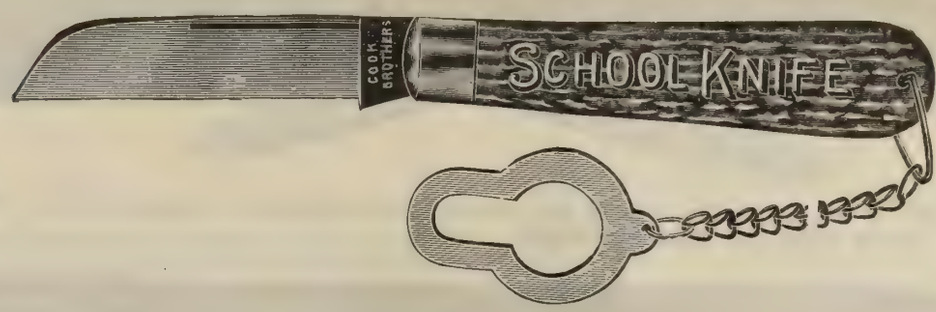
No. 03113. List per dozen 46.00

Stag Handle; length, 4 inches; Anglo-Saxon cattle pattern; thumb notched; 3 full polished blades—one large broad spear, one sheep foot and one speying; etched; German silver bolsters and name shield; brass lining; average weight per dozen, 3 pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

GERMAN POCKET KNIVES

ONE BLADE JACK KNIVES



No. 0844. List per dozen 3.00

Japanned Metal Handle, Stag imitation; length, 2⅞ inches; boys jack pattern; one glazed sheep foot blade; polished bolster; bright wire shackle with chain and loop; average weight per dozen, 1 pound.

No. 0179. List per dozen 4.40

Cocobolo Handle; length, 3¼ inches; regular jack pattern; 1 polished spear blade; polished iron bolsters; iron lining; average weight per dozen, 1 pound.

No. 0850. List per dozen 5.30

Ebonized Wood Handle; length, 3 5/16 ins.; regular jack pattern; 1 polished, large spear blade; etched; German silver bolster and name plate; iron lining; average weight per dozen, 1½ pounds.

No. 012. List per dozen 5.00

Ebonized Handle; length, 3½ inches; regular jack pattern; 1 half polished large spear blade; etched; polished iron bolster; German silver name plate; iron lining; average weight per dozen, 1½ pounds.

No. 0601. List per dozen 6.30

Ebonized Wood Handle; length, 3⅝ inches; regular jack pattern; 1 polished large spear blade; German silver bolster; brass name plate; iron lining; average weight per dozen, 1½ pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

GERMAN POCKET KNIVES

TWO BLADE JACK KNIVES

No. 020.. List per dozen 7.50

Ebonized Wood Handle; length, 3⅜ inches; regular jack pattern; 2 polished blades; one large spear and one pen; polished iron bolster; iron lining; average weight per dozen, 1½ pounds.

No. 0801. List per dozen 6.70

Ebonized Handle; length, 3¼ inches; regular jack pattern; 2 polished blades—one spear and one pen; polished iron bolsters; iron lining; average weight per dozen, 1¾ pounds.

No. 0805. List per dozen 7.70

Ebonized Wood Handle; length, 3⅜ inches; swell centre jack pattern; 2 polished blades—one large spear and one pen; polished iron bolsters; German silver name plate; iron lining; average weight per dozen, 1½ pounds.

No. 0868. List per dozen 10.50

Ebonized Wood Handle; length, 3½ inches; swell centre jack pattern; 2 polished blades—one sabre and one pen; polished iron bolsters; German silver name shield; iron lining; average weight per dozen, 2 pounds.

No. 045. List per dozen 7.70

Ebonized Wood Handle; length, 3⅜ inches; swell end jack pattern; 2 polished blades—one spear and one pen; polished iron bolsters; German silver name plate; average weight per dozen, 1½ pounds.

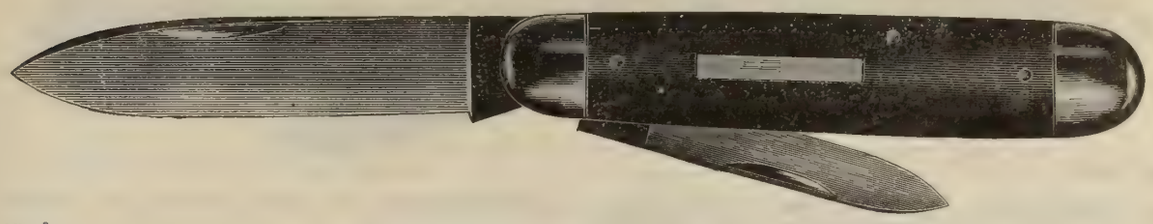
No. 0808. List per dozen 7.70

Ebonized Wood Handle; length, 3⅜ inches; swell end jack pattern; 2 full polished blades—one spear and one pen; polished iron bolsters; German silver name plate; iron lining; average weight per dozen, 1¾ pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

GERMAN POCKET KNIVES

TWO BLADE JACK KNIVES



No. 0815. List per dozen 14.00

Ebony Handle; length, 3½ inches; equal end jack pattern; 2 full polished blades—one large spear and one pen; German silver bolster and name plate; brass lining; average weight per dozen, 1¾ pounds.

No. 023. List per dozen 12.00

Ebonized Wood Handle; length 3⅝ inches; equal end jack pattern; 2 full polished blades—one large spear and one pen; polished iron bolsters; iron lining; average weight per dozen, 2 pounds.

No. 0177. List per dozen 10.80

Ebonized Wood Handle; length, 3½ inches; regular jack pattern; 2 polished blades—one large spear and one pen; German silver bolster and tip; brass name plate; iron lining; average weight per dozen, 1⅞ pounds.

No. 0705. List per dozen 8.10

Cocobolo Handle; length, 3½ inches; regular jack pattern; 2 polished blades—one large spear and one large pen; German silver bolster and name plate; iron lining; average weight per dozen, 14 ounces.

No. 0606. List per dozen 8.80

Ebonized Wood Handle; length, 3½ inches; regular jack pattern; thumb notched; 2 polished blades—one spear and one pen; polished iron bolster; iron lining; bright steel wire shackle and 12½ inch chain with loop; German silver name plate; average weight per dozen, 2 pounds.

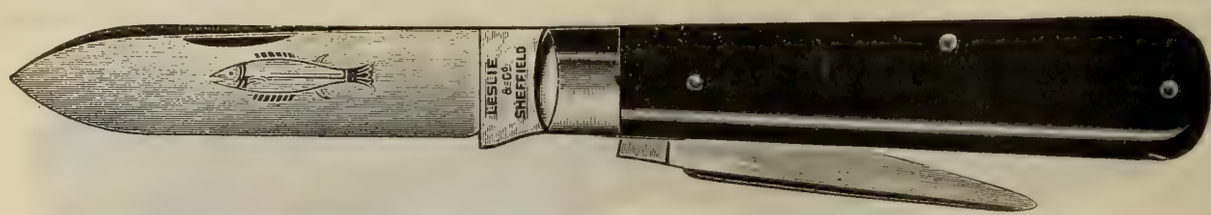
All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

GERMAN POCKET KNIVES

TWO BLADE JACK KNIVES

No. 0603. List per dozen 8.80

Cocoa Wood Handle; length, 3½ inches; regular jack pattern; 2 polished blades—one spear and one pen; etched; polished iron bolsters; iron lining; average weight per dozen, 32 ounces.



No. 0880. List per dozen 12.60

Ebonized Wood Handle; length, 3 11/16 inches; regular jack pattern; 2 polished blades—one spear and one leather punch; German silver bolsters and name shield; iron lining; average weight per dozen, 1¾ pounds.

No. 0813. List per dozen 13.60

Ebonized Wood Handle; length, 3⅝ inches; equal end jack pattern; 2 full polished blades—one large spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 1¾ pounds.

No. 0706. List per dozen 8.80

Ebonized Wood Handle; length, 3 11/16 inches; regular jack pattern; 2 polished blades—one spear and one pen; polished iron bolster; German silver name plate; iron lining; average weight per dozen, 2 pounds.

No. 0178. List per dozen 8.80

Ebonized Wood Handle; length, 3¾ inches; swell centre jack pattern; two polished blades—one large spear and one pen; polished iron bolster; iron lining; average weight per dozen, 2 pounds.

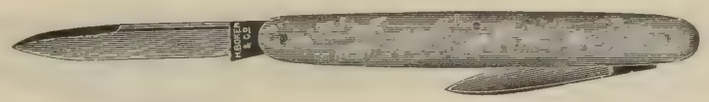
No. 0183. List per dozen 10.80

Ebonized Wood Handle; length, 3⅞ inches; swell centre jack pattern; 2 polished blades—one sabre and one pen; polished iron bolster; German silver name shield; iron lining; average weight per dozen, 2 pounds.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

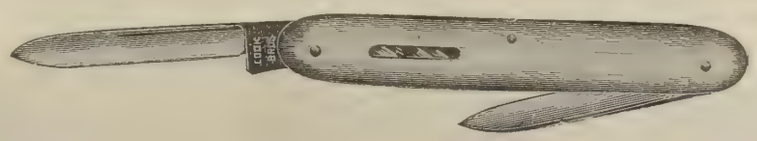
GERMAN POCKET KNIVES

TWO BLADE PEN KNIVES



No. 0199. List per dozen 26.40

Pearl Handle; length, 2 7/16 inches; equal end pen pattern; 2 mirror finish blades; one small spear and one pen; uncapped; brass lining; average weight per dozen, 6 ounces.



No. 0210. List per dozen 6.50

White Grained Celluloid Handle; length, 2½ inches; equal end pen pattern; 2 polished blades—one small spear and one pen; uncapped; German silver name plate; brass lining; average weight per dozen, 1/2 pound.

No. 0209. List per dozen 15.60

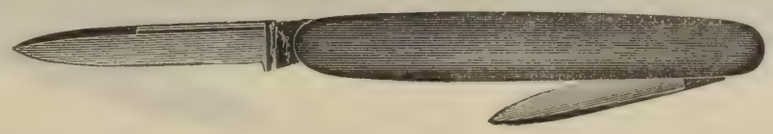
Pearl Handle; length 2½ inches; Senator pattern; 2 full polished blades—one small spear and one small pen; German silver bolsters and lining; average weight per dozen, 8 ounces.

No. 0831. List per dozen 7.70

Pearl Handle; length, 2½ inches; serpentine pattern; 2 polished blades—one small spear and one pen; uncapped; German silver name shield; brass lining; average weight per dozen, 3/4 pound.

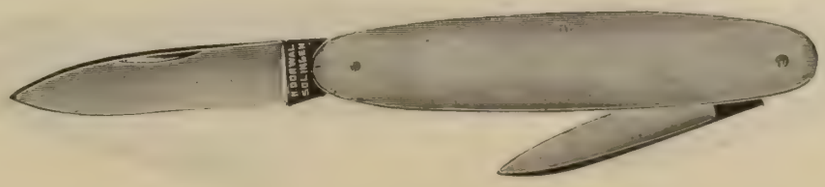
No. 021. List per dozen 12.00

White Grained Celluloid Handle; length, 2⅝ inches; Wharncliffe pattern; 2 mirror finished blades—one Wharncliffe and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 7 ounces.



No. 0211. List per dozen 5.50

Ebony Handle; length, 2⅝ inches; equal end pen pattern; 2 full polished blades—one small spear and one pen; uncapped; brass lining; average weight per dozen, 10 ounces.



No. 051. List per dozen 7.60

Ebony Handle; length, 2 11/16 ins.; equal end pen pattern; 2 full polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 11 ounces.

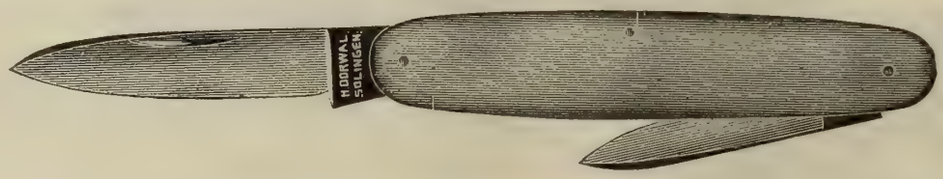
All 1/2 Dozen in a Box; **ILLUSTRATIONS ARE FULL SIZE.**

GERMAN POCKET KNIVES

TWO BLADE PEN KNIVES

No. 0206. List per dozen 17.50

Pearl Handle; length, 2¾ inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; long German silver bolsters; brass lining; average weight per dozen, 5/8 pound.



No. 056. Black Composition Handle. List per dozen 7.50
No. 058. White Grained Celluloid Handle. List per dozen 9.60

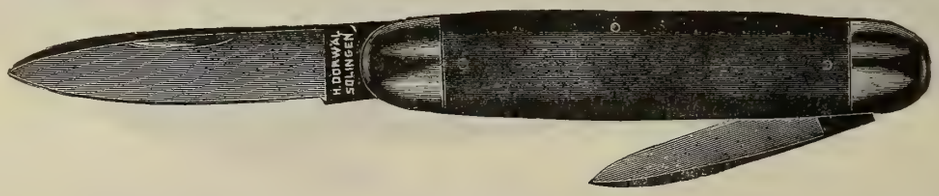
Length, 3 inches; oval pen pattern; 2 mirror finish blades; one spear and one pen; uncapped; brass lining; average weight per dozen, 3/4 pound.

No. 059. List per dozen 10.20

Imitation Smoked Pearl Handle; length, 3 inches; oval pattern; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 3/4 pound.

No. 050. List per dozen 10.50

Imitation Smoked Pearl Handle; length, 3 inches; oval pattern; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 12 ounces.



No. 0490. List per dozen 10.80

Black Composition Handle; length, 3 inches; equal end pen pattern; 2 polished blades—one spear and one pen; German silver bolsters; brass lining; average weight per dozen, 14 ounces.

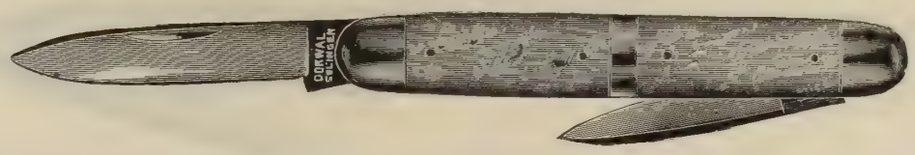
No. 061. List per dozen 11.00

Stag Handle; length, 3 inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters; brass lining; average weight per dozen, 1 pound.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

GERMAN POCKET KNIVES

TWO BLADE PEN KNIVES



No. 0873. List per dozen 19.20

Pearl Handle; length, 3 inches; Senator pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and band; brass lining; average weight per dozen, 12 ounces.

No. 00310. List per dozen 19.20

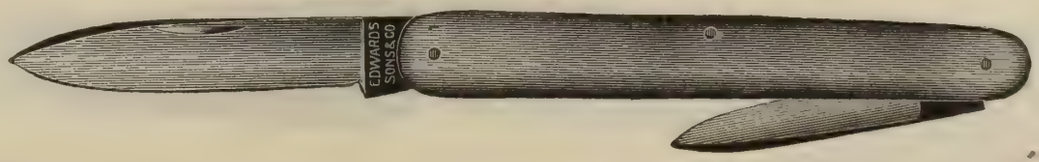
Pearl Handle; length, 3 inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters; brass lining; average weight per dozen, 7/8 pound.

No. 0207. List per dozen 20.00

Pearl Handle; length, 3 inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters; brass lining; average weight per dozen, 3/4 pound.

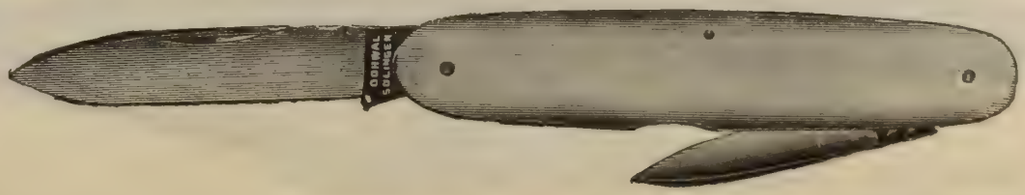
No. 0203. List per dozen 9.90

Buff Handle; length, 3¼ inches; shadow pattern; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 3/4 pound.



No. 0204. List per dozen 9.00

White Grained Celluloid Handle; length, 3¼ inches; shadow pattern; 2 polished blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 14 ounces.



No. 0591. List per dozen 10.50

White Grained Celluloid Handle; length, 3¼ inches; oval pen pattern; thumb notched; 2 mirror finish blades—one spear and one pen; uncapped; brass lining; average weight per dozen, 7/8 pound.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

GERMAN POCKET KNIVES

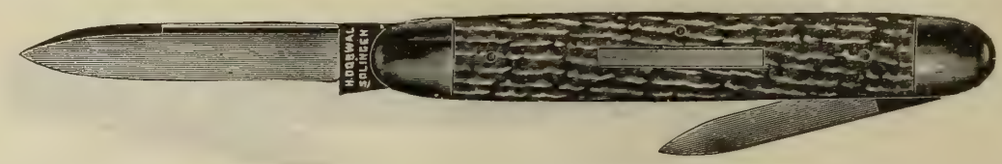
TWO BLADE PEN KNIVES

No. 0201. List per dozen 22.00

Pearl Handle; length, 3¼ inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver long bolsters; brass lining; average weight per dozen, 1 pound.

No. 053. List per dozen 11.00

Buff Handle; length, 3⅜ inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 1 pound.



No. 052. List per dozen 11.70

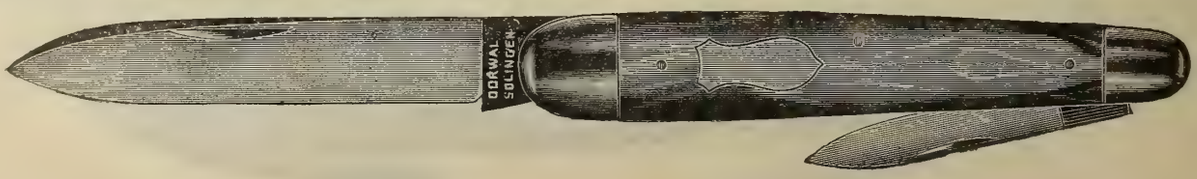
Stag Handle; length, 3⅜ inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 1 pound.

No. 00313. List per dozen 22.00

Pearl Handle; length, 3⅜ inches; equal end pen pattern; 2 mirror finish blades; German silver bolsters and band; brass lining; average weight per dozen, 1 pound.

No. 00317. List per dozen 26.40

Pearl Handle; length, 3 5/16 inches; equal end pen pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters; brass lining; average weight per dozen, 1 pound.



No. 024. Buff Handle. List per dozen 11.50

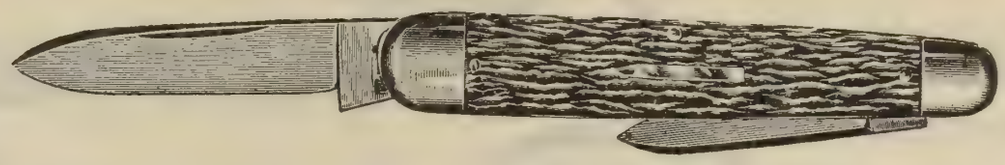
No. 0205. Stag Handle. List per dozen 13.70

Length, 3½ inches; Anglo-Saxon pattern; 2 full polished blades — one spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 1 pound.

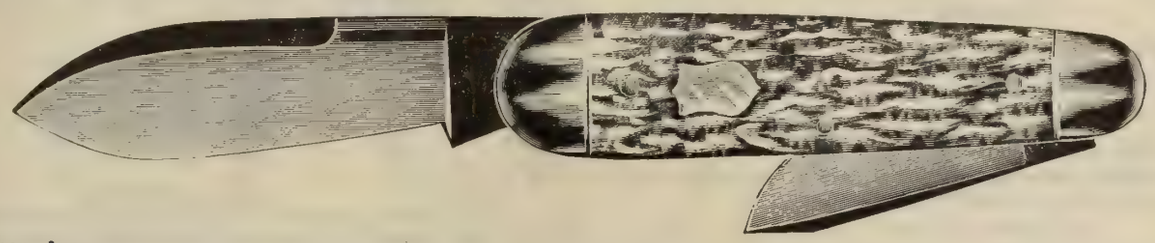
All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

GERMAN POCKET KNIVES

TWO BLADE PEN KNIVES



No. 00319. List per dozen 10.80
Stag Handle; length, 3 5/16 inches; shadow pattern; 2 mirror finish blades—one spear and one pen; German silver bolsters and name plate; brass lining; average weight per dozen, 1¼ pounds.



No. 0819. List per dozen 17.50
Stag Handle; length, 3½ inches; Anglo-Saxon pattern; 2 polished blades—one large broad spear and one speying; German silver bolsters and name shield; brass lining; average weight per dozen, 1¾ pounds.

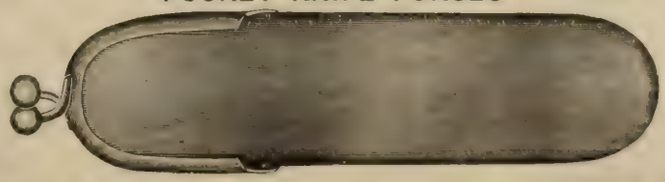
THREE BLADE KNIVES

No. 0877. List per dozen 22.40
Stag Handle; length, 3 9/16 ins.; Anglo-Saxon pattern; 3 mirror finish blades—one spear and two pens; German silver bolsters and name shield; brass lining; average weight per dozen, 1½ pounds.

No. 08110. List per dozen 42.00
Stag Handle; length, 3¾ inches; equal end cattle pattern; 3 polished blades—one large spear, one pen and one speying; German siver bolsters and name shield; brass lining; average weight per dozen, 2¼ pounds.

No. 0818. List per dozen 24.00
Stag Handle; length, 4 inches; Anglo-Saxon pattern; 3 mirror finished blades—one spear and two pen; German silver bolsters and name plate; brass lining; average weight per dozen, 2¼ pounds.

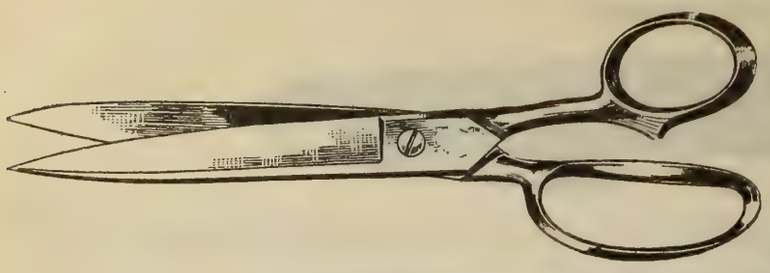
POCKET KNIFE PURSES



No. 9453—
3⅛ Inch. List per dozen 4.40
3¼ Inch. List per dozen 5.00
Dark red kid body; hinged nickel plated frame and spring clasp; carefully sewn and made.
1 dozen in a box.

All 1/2 Dozen in a Box; ILLUSTRATIONS ARE FULL SIZE.

STRAIGHT TRIMMERS



GERMAN

Nos.	Length, ins.	Cut, ins.	App. wt. doz., lbs.	List per doz.
0086	7	3⅜	2¾	17.40
0088	8	4⅛	3½	23.10

Full Nickel Plated and Polished.

Hand forged shear steel; flat pattern; plain screw; right hand trimmer handles; carefully sharpened and set.

1/2 dozen in a box.

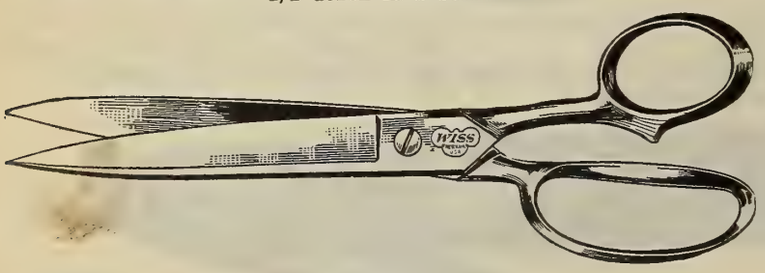
GERMAN

No. 5032	Cut, Ins.	App. wt. doz., lbs.	List per dozen
7 -inch	3¼	2¾	15.60
7½-inch	3⅜	3¼	16.80
8 -inch	3¾	4	19.20

Japanned Handles.

Hand forged shear steel; flat pattern; plain screw; black japanned right hand trimmer handles; nickel plated and polished blades.

1/2 dozen in a box.



WISS

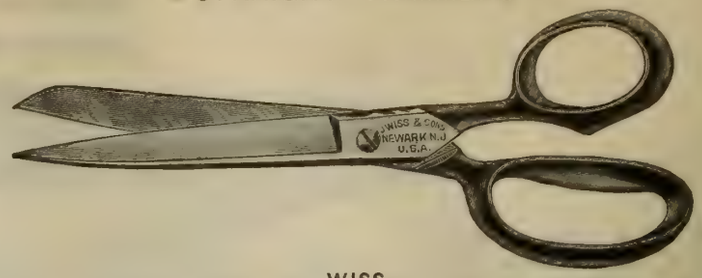
Nos.	Length, ins.	Cut, ins.	App. wt. doz., lbs.	List per doz.
137	7	3¼	2¾	32.70
137½	7½	3½	3¼	34.20
138	8	3⅞	4¼	36.00
138½	8½	4	4¾	37.80
139	9	4¼	5½	45.00
130	10	4⅞	8½	55.60
131	11	5½	10½	63.20

Full Nickel Plated and Polished.

Generally known as the household or dressmaking shear; properly designed; perfectly adjusted; finest quality "Steel forged"; carefully hardened, tempered, sharpened, fitted and tested; right hand trimmer handles; a reliable line, guaranteed by the makers; each in an envelope.

1/2 dozen in a box.

STRAIGHT TRIMMERS



WISS

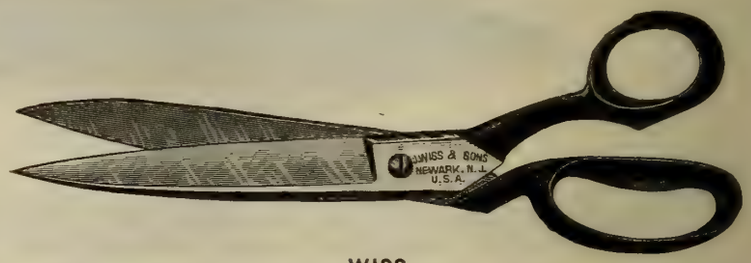
Nos.	Length, ins.	Cut, ins.	App. wt. doz., lbs.	List per doz.
36	6	2¾	2	24.00
36½	6½	3	2¼	25.80
37	7	3¼	2¾	27.20
37½	7½	3½	3¼	28.80
38	8	3⅞	4¼	30.30
38½	8½	4	4¾	31.90
39	9	4¼	5½	37.80
30	10	4⅞	8½	46.80

Japanned Handles.

A popular shear for general household and dressmaking use; correct in design and adjustment; finest quality "Steel forged" carefully hardened, tempered, sharpened, fitted and tested; right hand trimmer handles; full nickel plated and polished blades; guaranteed by the makers; each in an envelope.

1/2 dozen in a box.

BENT TRIMMERS



WISS

Nos.	Length, ins.	Cut, ins.	App. wt. doz., lbs.	List per doz.
28	8	3¾	4¼	31.90
28½	8½	4	4¾	36.00
29	9	4¼	6	42.50
20	10	5	9	51.00
21	11	5⅜	9½	56.20
22	12	6¼	13	60.60
23	13	6¾	17	65.70

Japanned Handles; Light Pattern.

Finest quality "Steel forged"; high carbon crucible steel cutting blades welded on to frame of toughest steel forgings; carefully hardened, tempered, sharpened, fitted and tested; specially designed for cloth cutters, dressmakers, etc.; japanned right hand trimmer handles; full nickel plated and polished blades; smooth cutting; stay sharp; guaranteed by the makers; each in an envelope.

1/2 dozen in a box.

TAILORS SHEARS

HEINISCH

Nos.	Length, ins.	Cut, ins.	App. wt. each, lbs.	List each.
7	14	7	2	29.40
8	14½	7⅛	2½	32.00
9	15¼	7½	3½	34.50

Heavy Pattern; Right Hand.
Japanned Handles; Polished Blades.

Highest grade crucible steel laid blades; uniformly tempered, carefully ground and set; scientifically designed for cloth cutters; simplex shear bolt; guaranteed by the makers.

1 pair in a box.

PAPERHANGERS SHEARS or BANKERS SHEARS

WISS

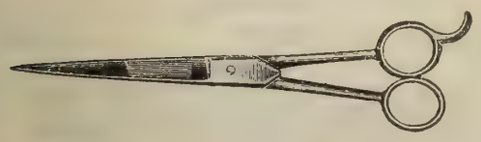
No.	Length, inches.	Cut, Ins.	App. Wt. doz., lbs.	List per dozen.
80	10	5½	4½	46.80
82	12	7⅛	7¼	57.30

Japanned Handles; Nickel Plated Blades.

Finest "Wiss" quality; flat pattern; right hand; trimmer handles; light design; carefully tempered, sharpened, fitted and tested; each in an envelpoe.

1/2 dozen in a box.

BARBERS SHEARS



GERMAN

No. 0077. List per dozen 17.80

7½ Inch; Right Hand.

Forged shear steel; length, 7½ inches; cut 3¼ inches; plain screw; flat pattern; nickel plated; tempered, sharpened and set ready for use; average weight per dozen, 1½ pounds.

1/2 dozen in a box.

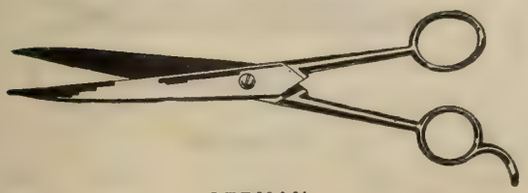
GERMAN

No. 00632. List per dozen 19.20

7½ Inch; Right Hand.

Hand forged shear steel; length, 7½ ins.; cut, 3¼ inches; plain screw; flat pattern; full nickel plated and highly polished; carefully tempered, sharpened and set; average weight per dozen, 1½ lbs.

1/2 dozen in a box.



GERMAN

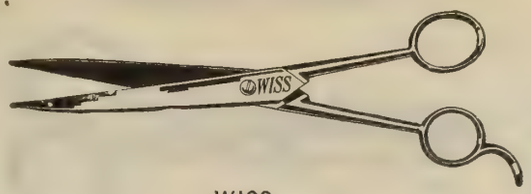
No. 5220. List per dozen 37.60

7½ Inch; Right Hand.

Hand forged shear steel; full nickel plated and polished; length, 7½ inches; cut, 3¼ inches; flat pattern; well tempered, ground and set; average weight per dozen, 2 pounds.

1/2 dozen in a box.

BARBERS SHEARS



WISS

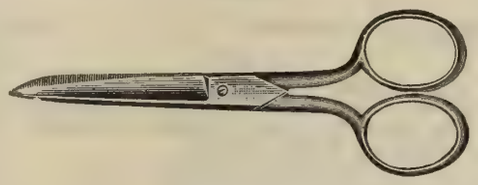
No.	Length, inches.	Cut, Ins.	App. Wt. doz., lbs.	List per dozen.
148	8	3⅝	2¼	36.00
148½	8½	3⅞	2½	37.80

American Pattern; Full Nickel Plated; Right Hand.

Highest quality "steel forged" finest crucible steel; ground to the sharpest possible edge; scientifically tempered; expertly tested; finely finished; each in an envelope.

1/2 dozen in a box.

LADIES OR REGULAR PATTERN SCISSORS



GERMAN

No.	Length, inches.	Cut, Ins.	App. Wt. doz., lbs.	List per dozen.
003	4½	1⅞	7/8	8.40
004	5	2⅛	1	8.80
005	5½	2⅜	1¼	9.60
006	6	2⅝	1½	10.80
007	6½	3	1¾	12.00
008	7	3¼	2	13.80

Superior hand forged shear steel; flat pattern; plain screw; ring handles; full nickel plated and highly polished; well ground, tempered and set.

1/2 dozen in a box.

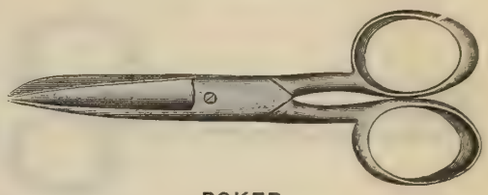
BOKER

No. 210.	Cut, ins.	App. wt. doz., lbs.	List per dozen.
4½-inch	2	7/8	13.50
5 -inch	2⅛	1	14.40
5½-inch	2½	1¼	16.10
6 -inch	2¾	1½	16.80
6½-inch	3⅛	1¾	18.60
7 -inch	3¼	2	21.20

Fine quality and finish; full nickel plated and highly polished; plain screw; flat pattern; ring handles.

1/2 dozen in a box.

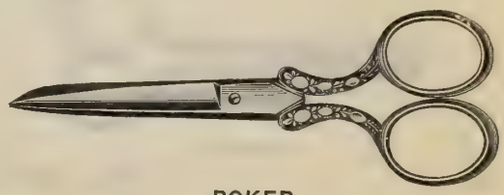
LADIES OR REGULAR PATTERN SCISSORS



BOKER

No. 200— Length, inches.	Cut, ins.	App. wt. doz., lbs.	List per dozen.
5	2¼	1¼	10.00
5½	2½	1½	11.20
6	2¾	1¾	12.00
6½	3	2	13.80
7	3⅜	2½	17.80

Highest quality cutlery steel; flat pattern; plain screw; polished and half nickel plated ring handles; full polished blades; carefully tempered, ground and set.



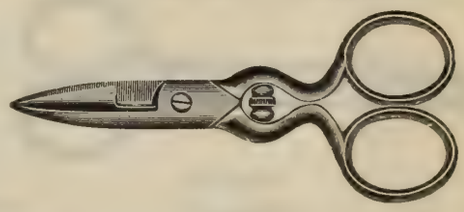
BOKER

No.	Length, inches.	Cut, Ins.	App. Wt. doz., lbs.	List per dozen.
0096	5	2¼	1¼	16.80
0097	5½	2½	1⅜	19.50
0098	6	2¾	1½	20.40

High quality and finish; flat pattern; plain screw; blades full nickel plated, highly polished and etched; gilt finish ring handles and fancy figured bows.

1/2 dozen in a box.

BUTTON HOLE SCISSORS



GERMAN

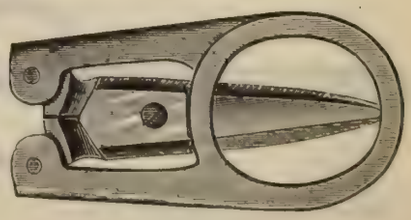
No. 0040. List per dozen 12.00

4½ Inch.

Full polished; plain bows; ring handles; knurled adjusting thumb nut for regulating the size of the buttonhole; average weight per dozen, 1¼ pounds.

1/2 dozen in a box.

FOLDING SCISSORS



GERMAN

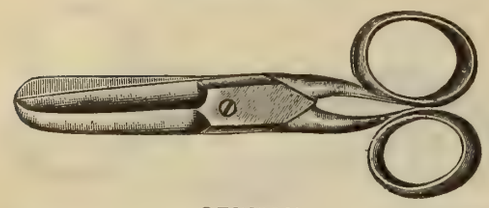
No. 0075. List per dozen 8.00

4 Inch; With Pocket.

Hand forged shear steel; nickel plated and polished; length, 4 inches; cut, 1¼ inches; straight blades with nail files; ring handles; flat pattern; plain screw; length folded, 2¼ inches; imitation red leather pocket; average weight per dozen, 12 ounces.

1/2 dozen in a box.

POCKET SCISSORS



GERMAN

No. 066. List per dozen 6.90

4½ Inch.

Good shear steel; flat pattern; plain screw; full nickel plated bevelled blades; plain bows; ring handles; average weight per dozen, 3/4 pound.

1/2 dozen in a box.

GERMAN

Nos.	007½	008½
List per dozen	6.60	7.20
Length, inches	4	4½
Cut inches	1⅝	2
App. wt. doz., lbs.	3/4	1

Hand forged shear steel; flat pattern; polished and half nickel plated blades; polished ring handles; carefully tempered, sharpened and set.

1/2 dozen in a box.

GERMAN

No. 0047. List per dozen 9.40

4½ Inch.

Hand forged shear steel; full nickel plated and highly polished; length, 4½ ins.; cut, 1¾ inches; flat pattern; ring handles; carefully tempered, ground and set; average weight per dozen, 1 pound.

1/2 dozen in a box.

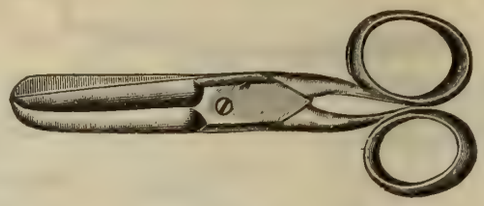
BOKER

No. 201— Size	4	4½
List per dozen	9.30	10.20
Length, inches	4	4½
Cut, inches	1¾	2
App. wt. doz., lbs.	1	1¼

Fine quality cutlery steel, carefully tempered, sharpened and set; flat pattern; polished ring handles; nickel plated and polished blades.

1/2 dozen in a box.

POCKET SCISSORS



BOKER

No. 0066. List per dozen 13.50

4½ Inch.

Finest quality shear steel; full nickel plated and highly polished; 2 inch cut, diamond shape blades; bevelled bows and ring handles; well tempered, sharpened and set; average weight per dozen, 1 pound.

1/2 dozen in a box.

BOKER

No. 211. List per dozen 13.80

4½ Inch.

Fine quality; full nickel plated and polished; length, 4½ inches; cut, 1¾ inches; flat pattern; ring handles; average weight per dozen, 1 pound.

1/2 dozen in a box.

BOKER

No. 009. List per dozen 16.80

4½ Inch.

Shear steel; full nickel plated and highly polished; length, 4½ inches; cut, 2 inches; trimmer handles; flat pattern; etched blade; average weight per dozen, 1¼ pounds.

1/2 dozen in a box.

NAIL SCISSORS

GERMAN

No. 057. List per dozen 8.80

3½ Inch.

Fine quality steel; length, 3½ inches; cut, 1⅛ inches; flat pattern; curved blades with nail file; ring handles; full nickel plated and polished; average weight per dozen, 6 ounces.

1/2 dozen in a box.

NAIL SCISSORS

GERMAN

No. 0031. List per dozen 11.90

3½ Inch.

Good quality; length, 3½ inches; cut, 1½ inches; flat pattern; nickel plated curved blades; polished ring handles; average weight per dozen, ½ pound.

1/2 dozen in a box.

GERMAN

No. 0057. List per dozen 12.00

3½ Inch.

Hand forged shear steel; full nickel plated and highly polished; length, 3½ ins.; cut, 1⅛ inches; flat pattern; curved blades; ring handle; well set and finished; average weight per dozen, 1 pound.

1/2 dozen in a box.

BOKER

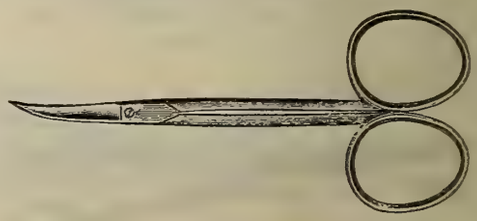
No. 0043. List per dozen 18.50

3½ Inch.

Finest grade cutlery steel; nickel plated and polished; length, 3½ inches; cut 1⅛ inches; flat pattern; curved blades with file back; ring handles; average weight per dozen, 1/2 pound.

1/2 dozen in a box.

MANICURE SCISSORS



GERMAN

No.	012	016
List per dozen	9.20	9.60
Length, inches	3½	4
Cut, inches	5/8	1
App. wt. doz., ozs.	5	8

High grade steel; full nickel plated and polished; bevelled shanks; curved blades; ring handles; carefully tempered and ground.

1/2 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

MANICURE SCISSORS

GERMAN

No. 0016. List per dozen 12.00

3½ Inch.

Hand forged shear steel; full nickel plated and polished; length, 3½ inches; cut, 7/8 inch; curved blades; ring handles; carefully tempered and set; average weight per dozen, 1/2 pound.

1/2 dozen in a box.

BOKER

No. 0012. List per dozen 14.40

3½ Inch.

Superior quality; full nickel plated and highly polished; length, 3½ inches; cut, 7/8 inch; flat pattern; curved blades; ring handles; average weight per dozen, 3/8 pound.

1/2 dozen in a box.

LACE OR EMBROIDERY SCISSORS

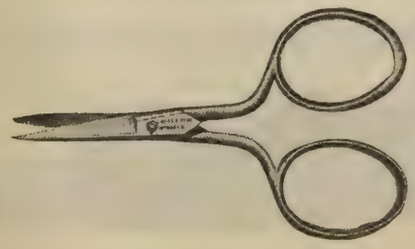
GERMAN

No. 0052. List per dozen 4.20

3½ Inch.

Good quality; length, 3½ inches; cut, 1¼ inches; flat pattern; polished ring handles; nickel plated and polished blades; average weight per dozen, 1/2 pound.

1/2 dozen in a box.



GERMAN

No. 0026. List per dozen 5.30

3½ Inch.

Fine quality shear steel; full nickel plated and polished; 1¼ inch cut; plain bows, ring handles, nicely finished; weight per dozen, 1/2 pound.

1/2 dozen in a box.

LACE OR EMBROIDERY SCISSORS

GERMAN

No.	Length, inches.	Cut, Ins.	App. Wt. doz., lbs.	List per dozen.
0064	3½	1¼	1/2	5.50

Fine quality steel; full nickel plated; well fitted; carefully tempered and sharpened; flat pattern; ring handles.

1/2 dozen in a box.

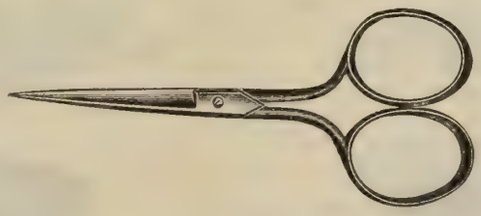
GERMAN

No. 0044. List per dozen 6.60

3⅝ Inch.

Hand forged shear steel; full nickel plated and highly polished; length, 3⅝ ins.; cut, 1⅛ inch; flat pattern; ring handles; carefully sharpened and set; average weight per dozen, 1/2 pound.

1/2 dozen in a box.



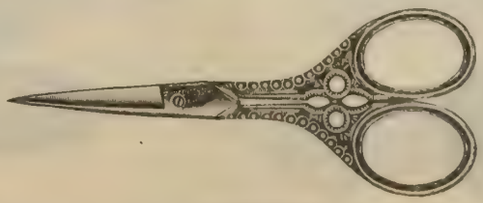
BOKER

No. 0054. List per dozen 9.60

4 Inch.

Finest quality steel, carefully tempered, sharpened and set; length, 4 inches; cut, 2½ inches; flat pattern; polished ring handles; full nickel plated and polished blades; average weight per dozen, 1/2 pound.

1/2 dozen in a box.



GERMAN

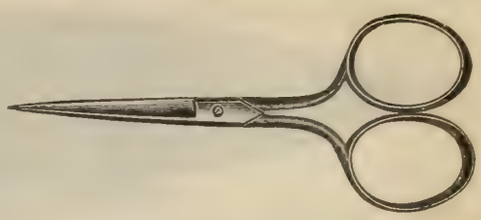
No. 0053. List per dozen 10.50

3¾ Inch; Fancy Cross Pattern.

Fine shear steel; 1¼ inch cut; nickel plated blades; gilt and nickel plated ring handles and fancy bows; average weight per dozen, 5/8 pound.

1/2 dozen in a box.

LACE OR EMBROIDERY SCISSORS



BOKER

No. 0029. List per dozen 12.00

3½ Inch.

Fine quality cutlery steel; full nickel plated and polished; length, 3½ inches; cut, 1 3/16 inches; flat pattern; ring handles; needle points; average weight per dozen, 1/2 pound.

1/2 dozen in a box.

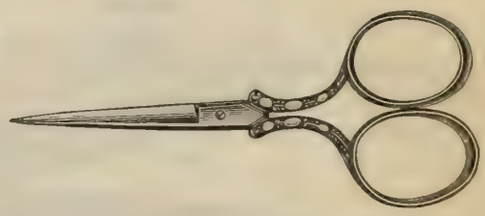
GERMAN

No. 0073. List per dozen 13.20

4 Inch; Stork Pattern; Gilt Finish.

Hand forged shear steel; length, 4 ins.; cut, 1⅛ ins.; ring handles; needle point blades, nickel plated and polished; average weight per dozen, 7 ounces.

1/2 dozen in a box.



BOKER

No. 0093. List per dozen 15.20

3½ Inch.

Extra quality; length, 3½ inches; cut, 1¼ inch; flat pattern; gilt finish; ring handles; figured shanks; nickel plated, polished and etched blades; average weight per dozen, 1/2 pound.

1/2 dozen in a box.

LAMP SCISSORS OR LAMP TRIMMERS

GERMAN

No. 00541. List per dozen 17.00

6 Inch.

Cast steel; japanned ring handles; and trowel shanks; polished blades with wick guard; average weight per dozen, 4 pounds.

1/2 dozen in a box.

SCISSORS IN CASES

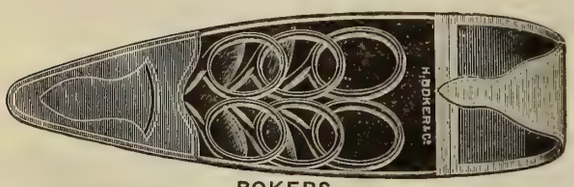
GERMAN

No. 8600. List each 4.00

3-Set.

Imitation brown grained leather case, plush lined, nickel plated snap clasp; contains one pair 3½ inch lace and one pair each 4½ and 5½ inch ladies scissors, full nickel plated and highly polished; carefully tempered, set and sharpened.

1 set in a box.



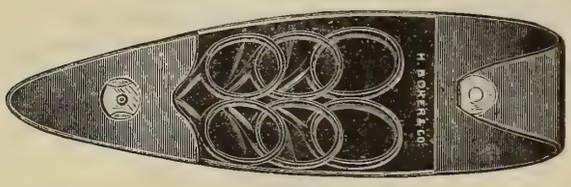
BOKERS.

No. 4679. List per set 5.70

3-Set.

Green, imitation mottled leather case, blue plush lined with leather lap clasp; contains one pair 3½ inch lace and one pair each 4½ and 5½ inch ladies best quality scissors; full nickel plated and highly polished; flat pattern; ring handles.

1 set in a box.



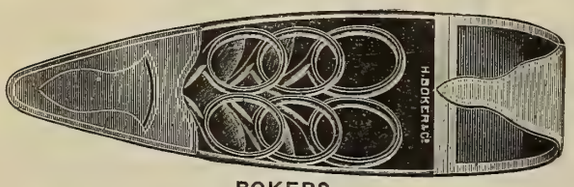
BOKERS.

No. 4635. List per set 5.80

3-Set.

Imitation brown crocodile leather case, purple plush lined, nickel plated snap clasp; one pair 3½ inch lace and one pair each 4½ and 5½ inch ladies scissors, oval pattern, full nickel plated and highly polished.

1 set in a box.



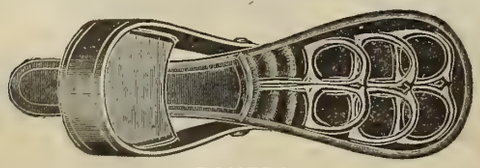
BOKERS.

No. 4680. List per set 7.70

3-Set.

Maroon imitation Russia leather case, red plush lined with socket clasp; contains one pair 3½ inch lace and one pair each 4½ and 5½ inch ladies best quality scissors, full nickel plated and polished with wire bows and fancy shanks.

1 set in a box.



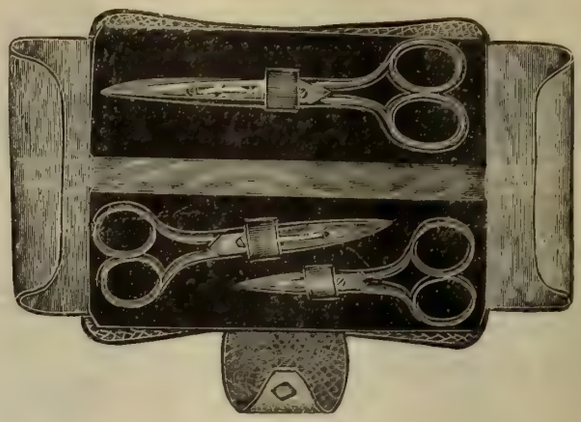
BOKERS.

No. 4681. List per set 8.20

3-Set.

Maroon imitation Russia leather case, red plush lined, with hood flap cover; contains best quality scissors, one pair 3½ inch lace and one pair each 4½ and 5½ inch ladies scissors; full nickel plated; flat pattern; blades white etched.

1 set in a box.



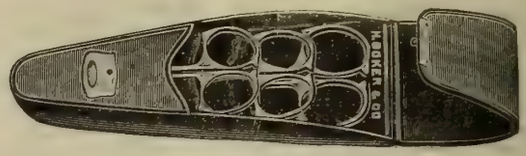
GERMAN

No. 8606. List each 6.00

3-Set.

Black patent leather case, white satin lined, folds in two with black clasp and snap button fastener; contains one pair 3½ inch lace and one pair each 4½ and 5½ inch ladies scissors, oval pattern, gilt finish ring handles, nickel plated and polished blades.

1 set in a box.



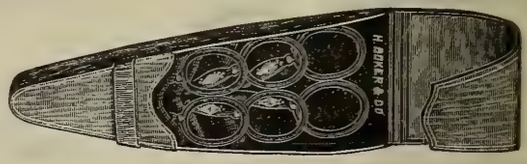
BOKERS.

No. 4627. List per set 10.00

3-Set.

Imitation brown mottled leather case, purple plush and satin brocade lined with nickel plated snap clasp; contains one pair 3½ inch lace and one pair each 4½ and 5½ inch best quality fancy scissors with fancy handles and shanks, blades etched in white, full nickel plated and highly polished.

1 set in a box.



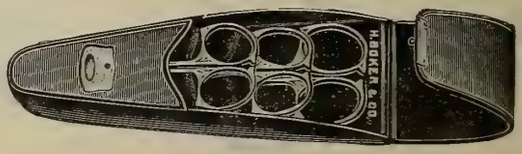
BOKERS.

No. 4623. List per set 10.00

Cross Pattern; 3-Set.

Consists of finest quality scissors:—1 pair 3½ inch lace one pair each 4½ and 5½ inch ladies scissors with gold plated handles and bows, nickel plated blades; crocodile tan leather case, green plush lined, fancy leather lap clasp.

1 set in a box.



BOKERS.

No. 4633. List per set 12.50

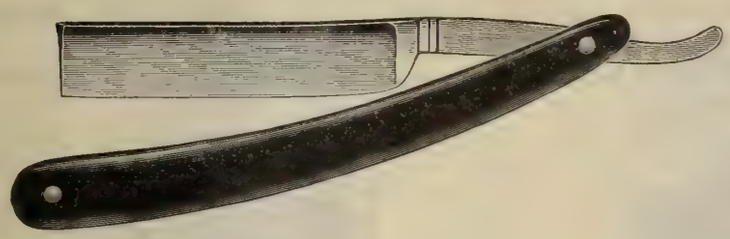
3-Set.

Brown crocodile leather case, green plush and satin brocade lined with nickel plated snap clasp; contains one pair 3½ inch lace and one pair each 4½ and 5½ inch best quality fancy scissors with gold plated handles, fancy bows and full nickel plated and polished blades white etched.

1 set in a box.

RAZORS

Manufactured by Jonathan Crookes, Sheffield, England.
Manufactured by Joseph Allen & Son, Sheffield, England.



No. 313. Allens make. List per dozen 15.00

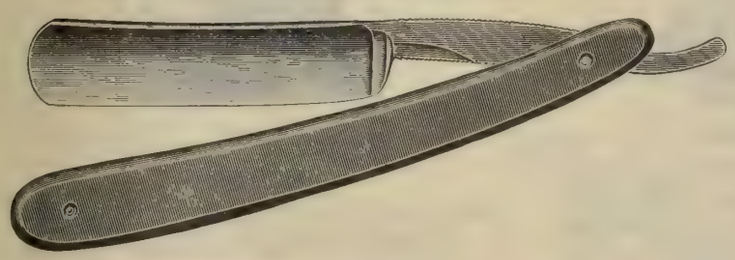
No. 3103. Crookes make. List per dozen 14.50

5/8 Inch, Square Point Blade; Black Rubber Oval Handle. Special concave ground of the very best English crucible cast steel; expertly hardened and tempered; carefully sharpened; full polished; etched; corrugated tang front; average weight per dozen, 2 pounds; each in a box.
1/2 dozen in a carton.

No. 314. Allens make. List per dozen 16.00

No. 3104. Crookes make. List per dozen 16.00

5/8 Inch Square Point Blade; Black Rubber Flat Handle. Special hollow ground of the very best English crucible cast steel; carefully hardened, tempered and sharpened; full polished; etched; tang corrugated front and back; average weight per dozen, 2 pounds; each razor in a box.
1/2 dozen in a carton.



No. 3114. Crookes make. List per dozen 16.00

5/8 Inch, Round Point Blade; Black Rubber Flat Handle. Special hollow ground; highest quality English crucible cast steel; carefully hardened, tempered and sharpened; full polished; etched; tang corrugated back and front; average weight per dozen, 2 pounds; each razor in a box.
1/2 dozen in a carton.

No. 3009. Crookes make. List per dozen 21.00

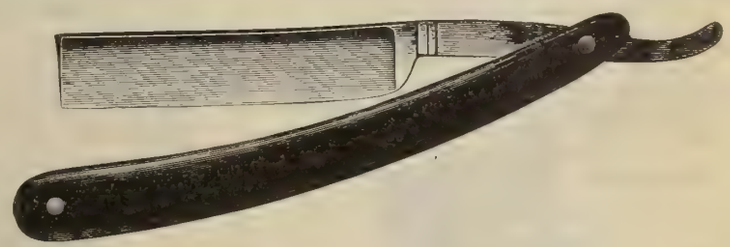
5/8 Inch, Square Point Blade; Black Rubber Flat Handle. Finest hollow ground; very best quality English crucible cast steel; expertly hardened and tempered; carefully sharpened; full polished; etched; tang corrugated back and front; average weight per dozen, 2 pounds; each razor in a box.
1/2 dozen in a carton.

Manufactured by Joseph Allen & Son, Sheffield, England.

No. 309. List per dozen 18.00

5/8 Inch, Square Point Blade; Black Rubber Flat Handle. Finest hollow ground; finest quality English crucible cast steel; carefully hardened, tempered and sharpened; full polished; etched, tang corrugated back and front; average weight per dozen, 2 pounds; each razor in a box.
1/2 dozen in a carton.

Manufactured by Geo. Wostenholm & Sons Limited, Sheffield, England.



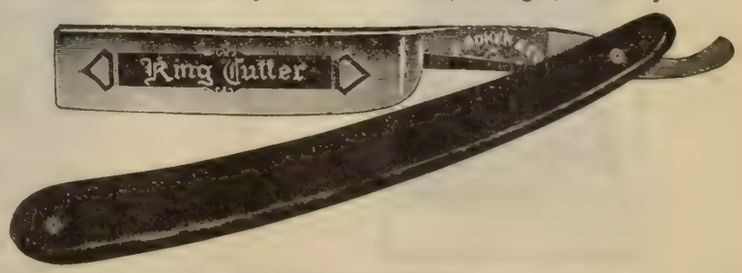
No. 110. List per dozen 26.40

5/8 Inch Square Point Blade; Black Rubber Oval Handle. Hollow ground; fine English razor steel blade; full polished; highly tempered, carefully sharpened; plain tang; average weight per dozen, 1¾ pounds; each razor in a box.
1/2 dozen in a carton.

No. 2000. "Peerless." List per dozen 42.00

5/8 Inch, Square Point Blade; White Celluloid Flat Handle. Fully concaved; finest English razor steel; double shoulder; mirror finish; gold and zinc etched; corrugated tang back; with stop; carefully ground, sharpened and tested; average weight per dozen, 2 pounds; each razor in a box.
1/2 dozen in a carton.

Manufactured by H. Boker & Co., Solinger, Germany.



KING CUTTER

No. 03251. List per dozen 63.60

5/8 Inch Square Point Blade; Black Rubber Oval Handle. Highest quality crucible razor steel; highly tempered, carefully ground, sharpened and tested; full polished and concaved; etched in gold; corrugated tang back; average weight per dozen, 2 pounds; each razor in a box.
1/2 dozen in a carton.

GILLETTE SAFETY RAZORS

New Improved and Old Type.

The New Improved is a decided improvement over the old type "Gillette". The features consist of a Fulcrum shoulder and overhanging cap, the channelled guard and the distinctive diamond knurling of the handles, all of which greatly increase their effectiveness. The standard Gillette blades are used with them.

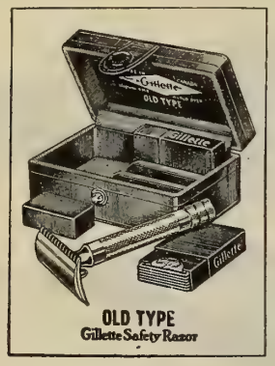
Old Type. These are now put out in lower priced sets as shown below, their finishes and cases being in keeping with the various prices. They take the standard "Gillette" blades.

Brownie. List per dozen 18.00

Imitation brown leather covered metal case, brown velvet lined; with old type nickel plated Gillette razor and 3 double edged Gillette blades in a sealed package.

Each in a carton.

Manufacturers Standard List, each $1.00.



Pioneer. List per dozen 45.00

Black morocco leather covered case lined with royal purple velvet; with old type silver-plated Gillette razor and 6 double edged Gillette blades, also 2 blade boxes to match the case.

Each in a carton.

Manufacturers Standard List, each $2.50.

"BIG FELLOW"

Silver. List per dozen 90.00

Selected, natural finish gumwood case; unlined; triple silver plated New Improved "Big Fellow" size razor; metal blade box containing 12 double edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $5.00.

NEW STANDARD

Finish	Silver	Gold
List per dozen	90.00	108.00
Mfs. Std. list, each	5.00	6.00

Genuine leather covered case; purple velvet and satin lined; triple silver or gold plated New Improved Razor with metal blade box (plated to match) containing 12 double-edged Gillette blades.

Each in a box.

BOSTONIAN

Silver. List per dozen 99.00

Nickel plated metal case, purple velvet and satin lined; opening of the cover automatically raises the tray containing razor and blades; triple silver plated New Improved razor and blade box containing 12 double-edged Gillette blades.

Manufacturers Standard List, each $5.50.

Each in a box.

BOSTONIAN

Gold. List per dozen 108.00

Gold plated metal case, purple velvet and satin lined; opening of cover automatically raises the trap containing razor and blades; gold plated New Improved razor and blade box containing 12 double-edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $6.00.

RICHWOOD

Silver. List per dozen 90.00

Mahogany finish wood case; triple silver plated New Improved razor and blade box containing 12 double edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $5.00.

RICHWOOD

Gold. List per dozen 108.00

Mahogany finish wood case; gold plated New Improved razor and blade box containing 12 double edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $6.00.

ARISTOCRAT

Gold. List per dozen 108.00

Imitation ivory case, purple velvet and satin lined; gold plated New Improved razor, imitation ivory blade box containing 12 double edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $6.00.

GILLETTE SAFETY RAZORS AND BLADES

New Improved Style.

TUCKAWAY

Silver. List per dozen **90.00**

Small compact silver plated metal case purple velvet and satin lined; triple silver plated New Improved razor and blade box containing 12 double-edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $5.00.

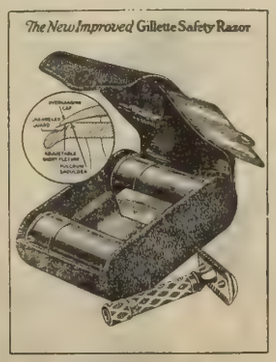
TUCKAWAY

Gold. List per dozen **108.00**

Small compact gold plated metal case, purple velvet and satin lined; gold plated New Improved razor and blade box, 12 double edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $6.00.



TRAVELLER

Silver. List per dozen **135.00**

Genuine leather case, purple velvet and satin lined; a complete shaving outfit containing triple silver plated New Improved razor; also shaving brush and stick of soap each in a plated metal container; highly polished metal mirror; silver plated metal blade box containing 12 double-edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $7.50.

TRAVELLER

Gold. List per dozen **180.00**

Genuine leather case, purple velvet and satin lined; a complete shaving outfit containing gold plated New Improved razor; also shaving brush and stick of soap, each in a gold plated metal container; highly polished metal mirror; gold plated metal blade box containing 12 double edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $10.00.

CHESTERFIELD

Silver. List per dozen **162.00**

A small and compact set with triple silver plated, engine turned, metal case, purple velvet and satin lined; triple silver plated New Improved razor and blade box with 12 double edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $9.00.

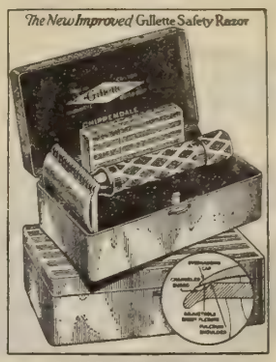
CHESTERFIELD

Gold. List per dozen **180.00**

A small and compact set with gold plated, engine turned, metal case, purple velvet and satin lined; gold plated New Improved razor and blade box with 12 double-edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $10.00.



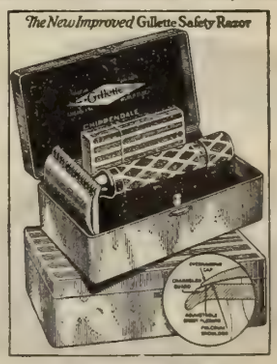
CHIPPENDALE

Silver. List per dozen **162.00**

Triple silver plated, engine turned, metal case, purple velvet and satin lined; opening of the cover automatically raises the tray containing the razor and blade box; triple silver plated New Improved razor and blade box with 12 double-edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $9.00.



CHIPPENDALE

Gold. List per dozen **180.00**

Gold plated, engine turned, metal case, purple velvet and satin lined; opening of the cover automatically raises the tray containing the razor and blade box; gold plated New Improved razor and metal blade box with 12 double-edged Gillette blades.

Each in a box.

Manufacturers Standard List, each $10.00.

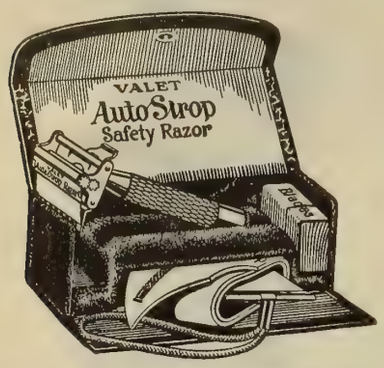
GILLETTE RAZOR BLADES

No.	6	12
List per package	.75	1.50
No. in a package	6	12
Pkgs. in a carton	20	10
Mfs. Std. List, Pkg.	.50	1.00

Highest grade tempered steel; carefully tempered; ground and keenly sharpened ready for use; double-edged; for both Gillette old type and New Improved razors; size 1½ x 7/8 inches.

VALET AUTO-STROP SAFETY RAZORS

The Safety Razor that "Sharpens Itself". A Safety Razor and Stropping Machine combined in one; quickly adjusted to give a light, medium or close shave; expertly made and finished throughout, in attractive outfits as below.



STANDARD OUTFIT

No. 1. Black. List each 7.50

Black soft leather case (4½x1½ inches) velvet lined; silver plated self-stropping razor; selected leather strop; blade case containing 12 Auto-Strop blades.

Each in a box.

Manufacturers Standard List, each $5.00.

STANDARD OUTFIT

No. 1. Assorted Colors. List each 7.50

Maroon, Red, Green and Blue Cases.

Soft leather cases, in colors as above (4½ x1½ inches) velvet lined; silver plated self-stropping razor; selected leather strop; blade case and 12 Auto-Strop blades.

Each in a box.

Manufacturers Standard List, each $5.00.

METAL CASE OUTFIT

No. 50. List each 7.50

Nickel plated plain metal case, highly polished; (4½x1½ inches) velvet lined; silver plated self-stropping razor; selected leather strop; blade case and 12 Auto-Strop blades.

Each in a box.

Manufacturers Standard List, each $5.00.

EMBOSSED METAL OUTFIT

No. 251. List each 7.50

Nickel Plated.

Embossed metal case, highly polished (4½x1½ inches) velvet lined; silver plated self-stropping razor; specially prepared selected leather strop; blade box and 12 Auto-Strop blades.

Each in a box.

Manufacturers Standard List, each $5.00.

EMBOSSED METAL OUTFIT

No. 252S. List each 7.50

Gun Metal.

(Polished) embossed metal case (4½x1½ inches) velvet lined; silver plated self-stropping razor; specially prepared selected leather strop; blade case and 12 Auto-Strop blades.

Each in a box.

Manufacturers Standard List, each $5.00.

FLAT METAL SET

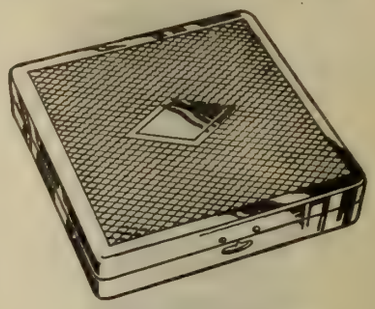
No. 350. List each 7.50

Plain Dome Top.

Highly polished, nickel plated metal case, velvet lined; size 3¾ x 3¾ x ¾ inches; silver plated self-stropping razor; specially prepared selected leather strop; blade case and 12 Auto-Strop blades.

Each in a box.

Manufacturers Standard List, each $5.00.



FLAT METAL SET

No. 351. List each 7.50

Embossed Top.

Highly polished, nickel plated metal case, velvet lined; size 3¾ x 3¾ x ¾ inches; silver plated self-stropping razor; specially prepared selected leather strop; blade case and 12 Auto-Strop blades.

Each in a box.

Manufacturers Standard List, each $5.00.

VALET AUTO-STROP BLADES

No.	5	10
List per package	.75	1.50
No. in a package	5	10
Mfs. Std. list, pkg.	.50	1.00

Specially made for use with Auto-Strop Razors; carefully finished and tested; each blade in a moisture proof wrapper, then packed in pasteboard packages.

120 blades in a carton.

VALET AUTO-STROP RAZOR STROPS

Style X. List per dozen 9.00

Made from a fine grade of selected leather; specially prepared without any harmful substance, insuring best results in connection with Auto-Strop Razors; 15¾ inches long, 1½ inches wide; nickel plated metal clamp and cord loop; each strop in a separate carton.

1/2 dozen in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

SAFETY RAZORS

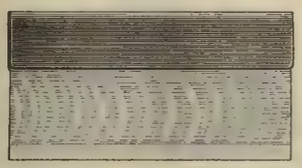
EVER-READY.

Standard Set. List per dozen 15.60

Morocco grained black leatherette covered case with red leatherette lining; size 3⅜ x 2¼ x 1¼ inches; contains nickel plated safety razor with detachable handle, 2 blade boxes and 7 single edge blades; razor handle is also used as a blade holder for stropping the blades.

1/12 dozen in a box.

SAFETY RAZOR BLADES



SHA-VE-ZEE.

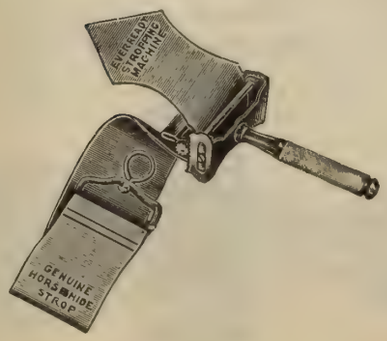
No.	3's	12's
List per card	5.20	19.20
Pkgs. on card	24	24
Blades in Pkg.	3	12
Total No. of blades	72	288

Blue-Black Blades.

Will fit Sha-ve-zee, Gem, Liberty, Ever-Ready and other Razors.

Made of the best, triple tested razor steel; hollow ground, lateral bevel, keen edged; highly polished; specially tempered; fire treated blue back; each blade wrapped separately in wax paper and packed in easy selling packages with attractive counter display stand.

STROPPING MACHINES
For
Safety Razors.

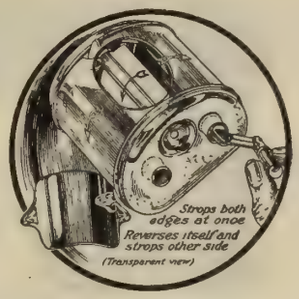


"Ever-Ready." List per dozen 24.00

Triple nickel plated brass frame; horsehide strop 12½ inches long, 1½ inches wide; with attachment for double edge blades; machine reverses the stroke tutomatically.

1/12 dozen in a box.

STROPPING MACHINES
For
Safety Razors.



"Twinplex". List each 8.00

Strops two edges at once.

A compact, easily operated machine, unsurpassed for sharpening Gillette and Stule Safety Razor Blades; consists of nickel plated metal case 2¾x2½x1⅞ ins. which completely encloses the working parts—blade is inserted in the slot, the handle turned and the blade is again ready for satisfactory use. The case is enclosed in a nickel plated metal, hinged, satin lined box.

Each in a carton.

CARBORUNDUM RAZOR STROPS

Corrugated sharpening sides impregnated with very fine, hand-washed Carborundum powder; all 2¼ inches wide, 26 ins. long with embossed russet leather flat handles.

No. 425. List per dozen 38.00

Single swing; best quality of genuine heavy shell horsehide, finished in black; nickel plated single swivel ring hardware.

1/2 dozen in a box.

No. 434. List per dozen 25.20

Single swing; genuine light weight horsehide of splendid quality; nickel plated figure eight type hardware.

1/2 dozen in a box.

No. 435. List per dozen 17.60

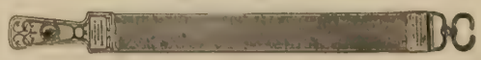
Loose double swing combination strop; one of light weight genuine horsehide, the other is a specially treated canvas honing strop; both fastened by patent swivel clamp; nickel plated figure eight hardware.

1/2 dozen in a box.

No. 438. List per dozen 31.20

Single swing; heavy genuine horsehide leather of first quality; gilt finished hardware.

1/2 dozen in a box.



No. 440. List per dozen 33.60

Single swing; cut from heavy genuine horsehide; split-ring hardware, brass gilt finish.

1/2 dozen in a box.

RAZOR STROPS

No. 1500. List per dozen 6.00

Single swing; brown shell horsehide; nickel plated eyelet; cut out handle; 21 inches long, 2 inches wide; plain stamping.

1 dozen in a box.

No. 1505. List per dozen 7.20

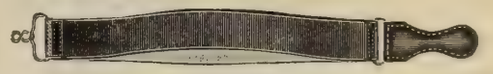
Single swing; black shell horsehide; double leather flat handle; black grained leather trimmings; nickel plated double loop swivel; linen stitched; 20¼ inches long, 2 inches wide.

1 dozen in a box.

No. 1510. List per dozen 8.20

Fast double swing; brown shell horsehide front, woven cotton belt back; double leather flat handle; linen stitched; nickel plated wire double loop swivel; 18 inches long, 2 inches wide.

1 dozen in a box.



No. 1515. List per dozen 9.60

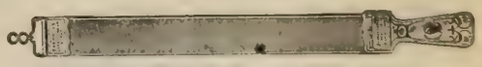
Fast double swing; black finish horsehide; reverse, heavy canvas web; double leather padded handle; nickel plated wire hardware with double loop swivel; plain stamping; linen stitched; 21 inches long, 2 inches wide.

1/2 dozen in a box.

No. 635. List per dozen 17.50

Fast double swing; heavy tan suede calf hide front; close woven canvas back; double leather padded handle; nickel plated and polished wire hardware with single split-ring swivel; linen stitched; plain stamping; 21 inches long, 2 inches wide.

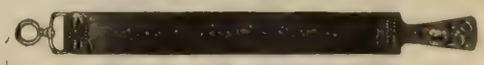
1/2 dozen in a box.



No. 815. List per dozen 18.00

Single swing; black finish, selected horsehide; corrugated sharpening side impregnated with fine Carborundum powder; smooth finishing side; double russet leather embossed flat handle; nickel plated and polished wire hardware with double loop swivel; 23 inches long, 2¼ inches wide.

1 dozen in a box.



No. 820. List per dozen 20.00

Single swing; black finish selected horsehide; corrugated sharpening side impregnated with very fine Carborundum powder; smooth finishing side; embossed double leather flat handle; nickel plated and polished wire hardware with large single loop swivel; 24½ inches long, 2¼ inches wide.

1 dozen in a box.

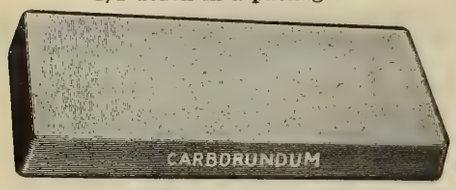
RAZOR HONES

Velvet Edge. List per dozen 6.00

Size 5½ x 2½ x ½ Inch.

An extra fine grained uniform hone, exceptionally quick cutting; red color; may be used dry or with water; each packed in a dark green imitation leatherette cardboard box.

1/2 dozen in a package.



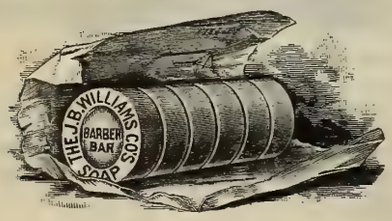
CARBORUNDUM.

No.	Size, ins.	List per dozen
102	4 x 1½ x ½	16.00
103	4 x 2 x ½	25.20
101A	5 x 2 x ½	28.80

Made of extra fine, hand-washed Carbor- a keen, lasting edge; each stone in a neat, dark green imitation leatherette cardboard box.

1/2 dozen in a package.

SHAVING SOAP



WILLIAMS Barbers Bar.

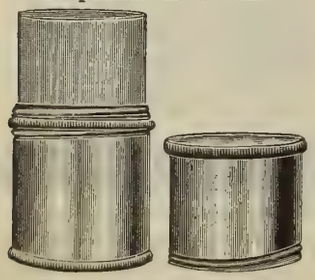
9 Cake Package. List per pound 1.30

6 Cake Package. List per pound 1.30

Round Cakes; 2⅜ Inches Diameter.

A perfumed, antiseptic soap which gives a generous and lasting lather for a perfect shave.

1 pound in a package.
10 pounds in a box.



WILLIAMS Doublecap.

Small Stick. List per dozen 2.70

One-piece stick 2⅛ inches long, 1 inch diameter; threaded aluminum centre ring and threaded caps; each in a box.

1 dozen in a carton.

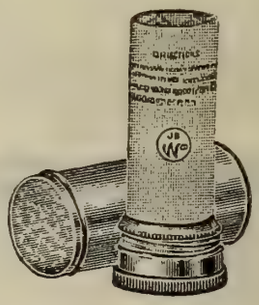
SHAVING SOAP

WILLIAMS Nickelled Box.

Large Stick. List per dozen 7.20

Well known for its creamy, softening lather; size of stick, 3 x 1⅛ inches; in plain nickelled metal container with hinged cover; each in a box.

1 dozen in a display carton.



WILLIAMS Holder Top Stick.

Large Size. List per dozen 7.20

A pure perfumed soap fastened to a metal holder with firm metal ring which forms top of case when not in use; size of stick, 3 x 1⅛ inches; lithographed metal container; packed in individual boxes.

1 dozen in a display carton.

WILLIAMS Re-Loads.

Large Stick. List per dozen 5.10

For large size holder top; size 3 x 1⅛ inches; fitted with firm metal collar which screws into the holder after removing the original collar; each in a box.

1 dozen in a display carton.

SHAVING SOAP

"SAFETEE."

Large Stick. List per dozen 5.10

Cocoa Butter Centre.

Gives a quick, rich and creamy lather; sooths tender skins and softens the toughest beard; size 3 x 1⅛ inches; wax paper and tin foil wrapped; in lithographed friction top metal containers; each in a box. 1 dozen in a carton.

SHAVING CREAM

WILLIAMS Luxury.

Large. List per dozen 7.20

A perfect cream giving a perfect lather for a perfect shave; a splendid shampoo cream; in screw top collapsible tubes 4½ x 1¼ inches; each tube in a box.

1 dozen in a display carton.

"Safetee." List per dozen 5.10

A concentrated shaving cream and instant beard softener; purest ingredients; all the good qualities of the "Safetee" stick; fine as a shampoo; in screw top collapsible tubes 4½ x 1¼ inches; each tube in a box.

1 dozen in a carton.

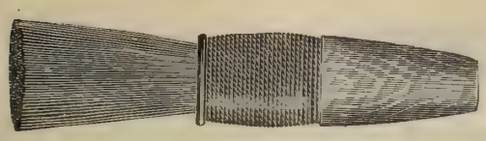
SHAVING POWDER

WILLIAMS.

Small. List per dozen 2.70

A perfumed, antiseptic, fine powdered shaving soap; gives an immediate lather and satisfies the most exacting; in lithographed metal sifter top box 2⅞ x 1¼ inches. 1 dozen in a box.

SHAVING BRUSHES



No. 8. List per dozen 20.00

White French bristle casing, yellow French bristle centre bristles 2½ inches long; varnished tapered wood handle, twine bound; length over all, 6 inches.

1 dozen in a box.

SHAVING BRUSHES "RUBBERSET."

Bristles are vulcanized in solid rubber, they will not come out and may be kept in any atmosphere, dry or damp; the trademark is plainly stamped on every brush.

"RUBBERSET."

No. 600. List per dozen 5.00

Black Rachto bristles 2 inches long; nickelled steel ferrule; ebonized wood handle; length over all, 4⅜ inches.

1 dozen in a box.

"RUBBERSET."

No. 610. List per dozen 8.00

White French bristles 2 inches long; non-corrosive white metal ferrule; ebonized handle; length over all, 4½ inches.

1 dozen in a box.

"RUBBERSET."

No. 620. List per dozen 8.70

Mixed bristles 2⅛ inches long; non-corrosive white metal ferrule; ebonized handle; length over all, 4½ inches.

1 dozen in a box.

"RUBBERSET."

No. 630. List per dozen 11.40

Blended badger outside bristles, mixed grey middle bristles 2⅛ inches long; non-corrosive white metal ferrule; ebonized handle; length over all, 4⅝ inches.

1 dozen in a box.

SHAVING BRUSHES

"RUBBERSET."

No. 640. List per dozen 13.50

Badger hair outside, mixed centre bristles 1⅞ inches long; black alberite ferrule; white alberite handle; length over all, 4½ inches.

1 dozen in a box.

"RUBBERSET."

No. 645. List per dozen 15.60

Badger hair outside, grey mixed centre bristles 2 inches long; black alberite ferrule; ebonized handle; length over all, 4½ inches.

Each in a box.
1/2 dozen in a carton.

"RUBBERSET."

No. 660. List per dozen 18.50

White French bristles 2⅜ inches long; black alberite ferrule; white alberite handle; length over all, 4⅞ inches.

Each in a box.
1/2 dozen in a carton.

"RUBBERSET."

No. 670. List per dozen 30.00

Thick band of badger hair outside, grey mixed centre bristles 2⅛ inches long; black alberite ferrule; white alberite oval shaped handle; length over all, 4⅞ inches.

Each in a box.
1/2 dozen in a carton.

BARBERS SHEARS

WISS.

No.	Length, inches.	Cut, Ins.	App. Wt. doz., lbs.	List per dozen.
148	8	3⅝	2¼	36.00
148½	8½	3⅞	2½	37.80

American Pattern; Full Nickel Plated; Right Hand.

GERMAN.

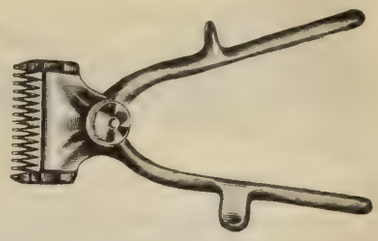
No. 00632. List per dozen 19.20

No. 5220. List per dozen 37.60

7½ Inch; Right Hand.

SEE PAGE 505
For full details of Barbers Shears.

TOILET OR HAIR CLIPPERS



"PLYMOUTH."

No. 1. List each 2.60

Cuts 1/8 Inch.

Fine quality cutting plates, carefully tempered, ground and sharpened, 11 teeth to inch; plain bottom plate, 1⅞ inches wide; aluminum handles, finger rests and head; concealed tempered wire coil spring; knurled tension nut; free running; length, 5¾ inches; weight each, 3½ ounces.

1 in a box.

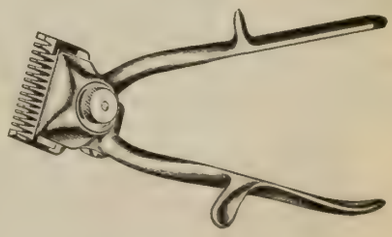
"VICTOR."

No.	1	0
List each	5.30	5.60
Cuts, inches	1/8	1/16

Ball Bearing; Nickel Plated.

Fine grade, highly tempered cutting plates, 11 teeth to inch; corrugated bottom plate 1⅞ inches wide; malleable iron handles, finger rests and head; concealed tempered wire coil spring; easy running; length 5½ inches; weight each, 4 ounces.

1 pair in a box.



"BAY STATE."

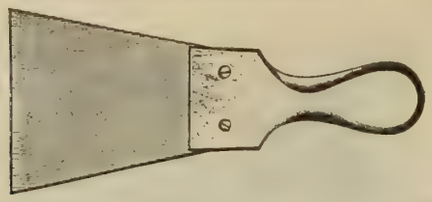
No.	1	0
List each	7.20	7.40
Cuts, inches	1/8	1/16

Ball Bearing; Nickel Plated.

Specially designed for barbers use; high grade cutting plates, carefully tempered and ground, 11 teeth to inch; corrugated bottom plate 1⅞ inches wide; malleable iron handles, finger rests and head; wing nut tension; adjustable caged coil spring; length, 6 inches; weight each, 4 ounces.

1 in a box with cover.

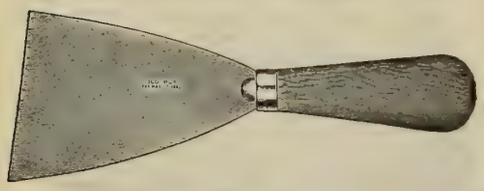
WALL SCRAPING KNIVES



No. 180. List per dozen 3.70

Square Point; Stiff Blade.
Cold rolled steel blade, 4 inches wide, 3¾ inches long, bright finish; blade inserted into plain wood handle and secured by two steel rivets; length over all, 9 inches; average weight per dozen, 4 lbs.

1 dozen in a box.
Shown also on Page 293.

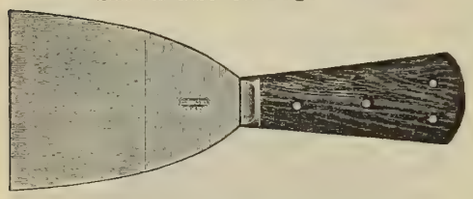


No. 100 x 3 inch. List per dozen 10.00

No. 100 x 3½ inch. List per dozen 11.50

Clipped Point; Elastic Blade.
Forged polished crucible steel blade, 3 or 3½ inches wide (as above), 4¼ inches long, carefully ground and sharpened; nickel plated steel ferrule; plain oval beech handle; length over all, 8¾ inches; average weight per dozen, 2½ pounds.

1 dozen in a box.
Shown also on Page 293.



"UNIVERSAL."

No. 2107S x 3 inch. List per dozen 19.00

No. 2107S x 3½ inch. List per dozen ... 21.00

Square Point.
Fine quality forged polished crucible steel blade, 3 or 3½ inches wide (as above), 4 inches long, carefully ground and sharpened, cross glazed finish; full scale tang; heavy metal bolsters; broad cocobolo handle secured by four brass rivets; length over all, 8 inches; average weight per dozen, 3¾ pounds.

1 dozen in a box.
Shown also on Page 293.

PUTTY KNIVES

No. 100. List per dozen 2.50

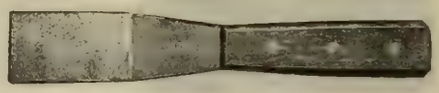
Square Point; Stiff Blade.
Fine quality steel blade, oil tempered, full polished 1¼ x 3¾ inches; steel ferrule; stained, round wood handle; length over all, 7½ inches; average weight per dozen, 1¼ pounds.

1 dozen in a box.
Shown also on Page 293.

No. 103F. List per dozen 3.30

Square Point; Stiff Blade.
Full polished steel blade, oil tempered, 1¼ x 3¾ inches;; steel bolster ferrule; flat ebonized handle; length over all, 7½ inches; average weight per dozen, 1½ pounds.

1 dozen in a box.
Shown also on Page 293.



No. 105RC. List per dozen 5.50

Square Point; Half Elastic.
Polished steel blade, 1¼ x 3¾ inches, ground and sharpened; full scale tang; rosewood handle secured by three steel rivets; length over all, 7½ inches; average weight per dozen, 1¾ pounds.

1 dozen in a box.
Shown also on Page 293.

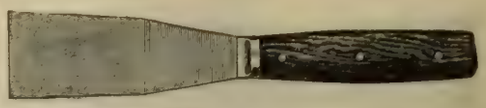
"UNIVERSAL."

No. 200. List per dozen 6.50

Square Point; Half Elastic.
Forged polished crucible steel blade 1⅜ x 3¾ inches, carefully ground, cross-glazed finish; full scale tang; plain oval beech handle secured by three brass rivets; length over all, 7½ inches; average weight per dozen, 1⅜ pounds.

1 dozen in a box.
Shown also on Page 293.

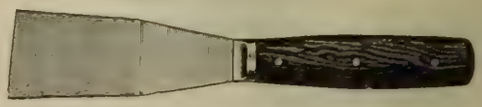
PUTTY KNIVES



No. 150S. List per dozen 10.80

Square Point; Stiff Blade.
Forged polished crucible steel blade, 1¼ x 3½ inches, carefully ground and sharpened, cross glazed finish; full scale tang; metal bolsters; cocobolo handle secured by three steel rivets; length over all, 7⅜ inches; average weight per dozen, 2 lbs.

1 dozen in a box.
Shown also on Page 293.



No. 150C. List per dozen 10.80

Clipped Point; Stiff Blade.
Forged polished crucible steel blade, 1¼ x 3½ inches, carefully ground, cross-glazed finish; full scale tang; metal bolsters; cocobolo handle secured by three steel rivets; length over all, 7⅜ inches; average weight per dozen, 2¼ pounds.

1 dozen in a box.
Shown also on Page 293.

PAPER HANGERS KNIVES

No. 23R. List per dozen 5.00

Round Point.
Forged polished crucible steel blade 2⅜ inches long, carefully ground and sharpened; nickel plated ferrule; round stained wood handle; length over all, 6½ inches; average weight per dozen, 1¼ pounds.

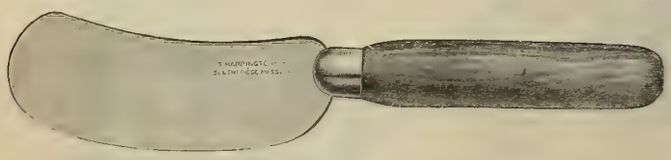
1 dozen in a box.
Shown also on Page 293.

No. 23S. List per dozen 5.00

Square Point.
Forged polished crucible steel blade, 3¼ inches long; carefully ground and sharpened; nickel plated ferrule; round stained wood handle; length over all, 7 inches; average weight per dozen, 1¼ pounds.

1 dozen in a box.
Shown also on Page 293.

PAPER HANGERS KNIVES

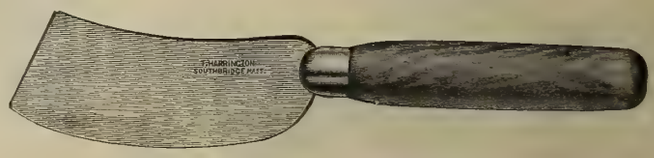


HARRINGTON.

No. 4R. List per dozen 7.70

Round Point.
Fine quality steel blade, carefully tempered, ground and finished; 3½ inches long, 1⅜ inches wide; nickel plated metal ferrule; 3½ inch waxed hardwood handle; length over all, 7⅛ inches; average weight per dozen, 1¼ pound.

1 dozen in a box.



HARRINGTON.

No. 4S. List per dozen 7.70

Square Point.
Fine quality steel blades, carefully tempered, ground and sharpened; glazed finish, 3 inches long, 1⅜ inch wide; nickel plated metal ferrule; 3½ inch waxed finish hardwood handle; length over all, 6¾ inches; average weight per dozen, 1 pound.

1 dozen in a box.

KITCHEN OR PARING KNIVES

SABATIER.

No. 712. List per dozen 2.00

Ebonized Handle; half tang; weight per dozen, 7/8 pound.

No. 710. List per dozen 2.30

Rosewood Handle; through tang; weight per dozen, 1 pound.

Genuine French.

Extra quality forged steel Cook's pattern blade, 3⅞ inches long; glazed finish; handle held by steel rivets; length over all, 7½ inches.

1 dozen in a box.

SABATIER.

No. 713. List per dozen 2.00

Genuine French; Ebonized Handle.

Extra quality forged steel, straight edge blade, 3⅞ inches long; glazed finish; half tang; handle fastened by two steel rivets; length over all, 7½ inches; average weight per dozen, 1 pound.

1 dozen in a box.

SABATIER.

No. 711. List per dozen 2.30

Genuine French; Rosewood Handle.

Extra quality forged steel, straight edge blade, 3⅞ inches long; glazed finish; through tang; scale handle fastened by three steel rivets; length over all, 7½ inches; average weight per dozen, 1⅛ pound.

1 dozen in a box.

No. 1513. List per dozen 2.70

Tempered, sharpened and polished steel blade with clip point, 3⅛ ins. long; nickel plated metal closed ferrule; walnut stained and polished round wood handle; length over all, 6¾ inches; average weight per dozen, ¾ pound.

1 dozen in a box.

No. 12. List per assortment 2.00

12 Knife Assortment.

Reliable double bevel steel blades, tempered and sharpened; full polished; nickel plated closed steel ferrule; stained and polished hardwood handles; six styles of blades (as illustrated) two each, 3 and 3½ inch; lengths over all, 6 and 6½ inches; average weight per assortment, ¾ pound.

Each assortment in a display box.

No. 1514. List per dozen 2.70

Tempered, polished and sharpened steel blade, straight edge; 3⅛ inches long; nickel plated metal closed ferrule; walnut stained and polished round wood handle; length over all, 6¾ inches; average weight per dozen, 3/4 pound.

1 dozen in a box.

"UNIVERSAL."

No. 345. List per dozen 2.80

Fine quality polished straight edge steel blade; Wharncliffe pattern, swaged back, 3¼ inches long; nickel plated closed steel ferrule; rubberoid wood handle with swell centre and flat sides; length over all, 7 inches; average weight per dozen, ¾ pound.

1 dozen in a box.

GOODELL.

No. 15. List per dozen 4.00

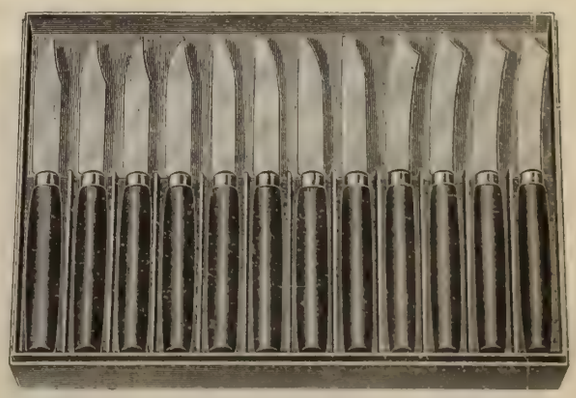
Cast steel straight edge blade, full polished, 3 inches long; white metal flush bolster; rivetted solid cocobolo oval handle; length over all, 6½ incehs; average weight per dozen, 1 pound.

1 dozen in a box.

No. 603. List per dozen 4.80

Fine quality flexible steel blade; tempered, sharpened and polished; clip point; swaged back; 3¼ inches long; nickel plated metal closed ferrule; ebonized wood handle with swell centre and flat sides; length over all, 7 inches; average weight per dozen, ¾ pound.

1 dozen in a box.



L. F. & C.

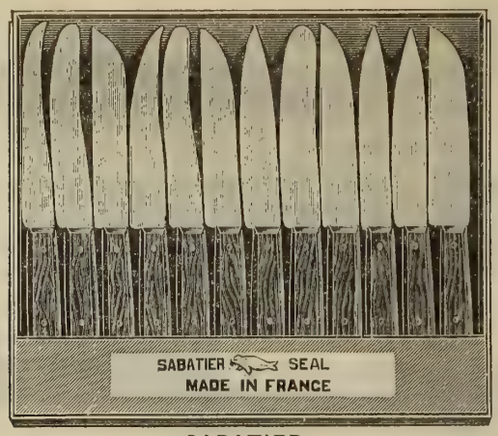
No. 303. List per assortment 2.20

12 Knife Assortment.

Polished steel blades in assorted points as illustrated; glazed finish; nickel plated closed metal ferrules; black stained round hardwood handles; blades 3⅛ inches long; length over all, 7 inches; average weight per assortment, 1 pound.

Each assortment in a display box.

KITCHEN OR PARING KNIVES



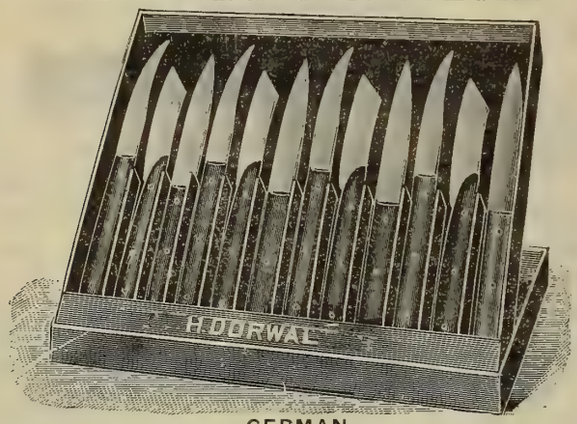
SABATIER

No. 7102 Assortment. List per assortment 2.30

Genuine French; 12 Knives.

Extra quality forged steel blades; expertly tempered and sharpened; glazed finish; through tang; rosewood scale handle firmly secured by three steel rivets; 3¾ to 4 inch blades in assorted shapes as illustrated; average weight per assortment, 1⅛ pound.

Each assortment of 1 dozen knives in a box.



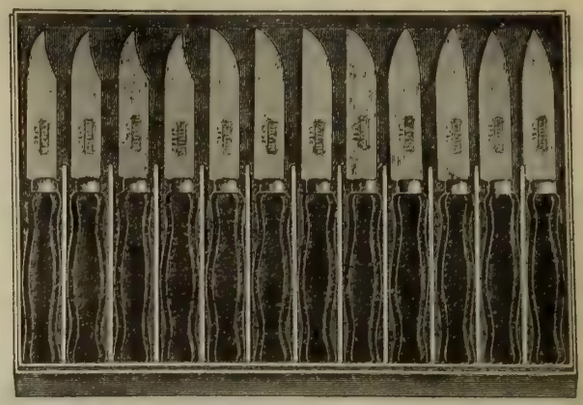
GERMAN

No. 9115 Assortment. List per assortment 2.40

12 Knives.

Carefully tempered and sharpened steel blades, glazed finish; through tang; black enamelled wood scale handles, firmly rivetted; three styles of blades (as illustrated) four of each; lengths over all 6⅝ to 7½ inches; average weight per assortment, 1⅛ pounds.

Each assortment in a display box.



"UNIVERSAL"

No. 340A Assortment. List per assortment 3.00

12 Knives.

Fine quality polished steel blades in assorted points as illustrated; full polished and etched; nickel plated closed steel ferrules; black rubberoid, shaped handles; blades, 3⅛ inches long; length over all, 7 inches; average weight per assortment, 1 pound.

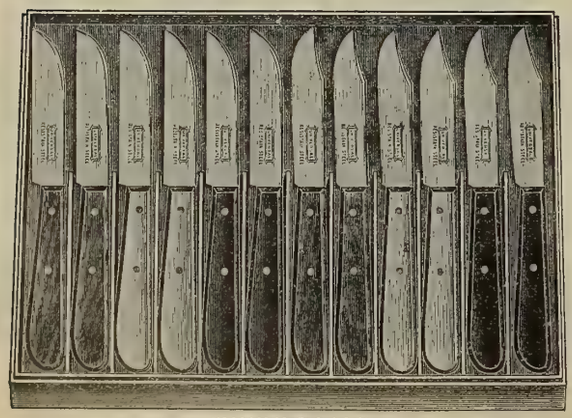
Each assortment in a display box.

No. 65C. List per dozen 5.50

Damascus steel blades, clip point, swaged back; full polished; carefully tempered and sharpened; through tang; rosewood scale handle firmly fastened by three brass rivets; 3¼ inch blades, length over all, 6½ inches; average weight per dozen, 1 pound.

1 dozen in a display box.

STAINLESS STEEL KITCHEN KNIVES



"UNIVERSAL"

No. 2300A Assortment. List per assortment 6.20

Stainless Blades; 12 Knives.

High quality crucible steel blades, finely tempered, sharpened and polished; etched; half through tangs; brass rivetted, handles assorted ebonwood, cocobolo and boxwood; two styles of blades 3⅛ inches long; length over all, 6½ inches; average weight per assortment, ¾ pound.

Each assortment in a display box.

No. 2884. List per dozen 7.00

Stainless Blades.

Fine quality stainless steel blades; straight edge; full polished; nickel plated metal ferrule; rivetted ebonized wood handle; carefully made throughout; 3 inch blade; length over all, 6⅝ inches; average weight per dozen, 1 pound.

1 dozen in a counter display stand.

BUTCHER KNIVES

SABATIER

No. 715:—Blade, inches	6	7	8	10
List per dozen	7.50	8.50	10.00	13.70
Length over all, inches	10¼	11½	12¾	15¼
App. weight dozen, pounds	3	3¾	4½	5½

Genuine French; Rosewood Handle.

Extra quality forged steel blade; finely tempered, ground and sharpened; glazed finish and stamped; through tang; bevelled edge scale handle fastened by large brass rivets.

1/2 dozen in a box.

WOSTENHOLMS "I. X. L."

No. 2609:—Blade, ins.	5	5½	6	6½	7	7½
List per dozen	10.00	10.80	11.20	13.20	14.40	15.60
Length over all, ins.	9	9⅞	10½	11	11½	12¼
App. wt. doz., lbs.	2¾	3	3¼	3½	3¾	4

Rosewood Handle.

Highest grade English forged steel blade; extra tempered, ground, sharpened and polished; stamped "I. X. L."; through tang; bevelled edge scale handle firmly fastened with steel rivets.

1/2 dozen in a box.

WOSTENHOLMS "I. X. L."

No. 2609:—Blade, inches	8	9	10	12	14
List per dozen	16.80	19.20	22.80	31.20	39.60
Length over all, inches	12¾	13¾	15¼	17½	19½
App. wt. dozen, lbs.	4½	4¾	5½	7¼	8½

Rosewood Handle.

Highest grade English forged steel blade; extra tempered, ground, sharpened and polished; stamped "I. X. L."; through tang; bevelled edge scale handle firmly fastened with steel rivets.

1/2 dozen in a box.

SKINNING KNIVES

RUSSELL.

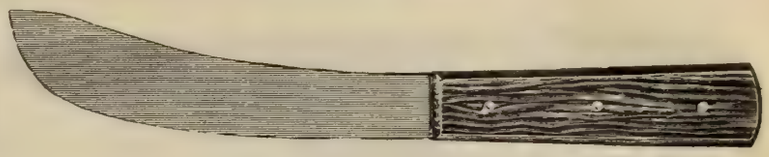
No. 012. List per dozen 14.40

6-Inh Blade; Beechwood Handle.

High grade steel blade with heavy back and swaged point; full polished and stamped; through tang; bevelled edge scale handle fastened with five steel rivets; finely tempered and sharpened; length over all, 10½ inches; average weight per dozen, 4 pounds.

1/2 dozen in a box.

SKINNING KNIVES



WOSTENHOLM'S "I. X. L."

No. 26091:—Blade, inches	5	5½	6
List per dozen	14.40	15.60	16.00
Length over all, inches	9¼	9¾	10¾
App. weight dozen, lbs.	3	3½	3¾

Rosewood Handle.

Highest grade English forged steel blade; extra tempered, ground and sharpened; polished and stamped "I. X. L."; through tang; bevelled edge scale handle fastened by steel rivets.

1/2 dozen in a box.

STICKING KNIVES

WOSTENHOLM'S "I. X. L."

No. 26092. List per dozen 13.20

6-Inch Blade; Rosewood Handle.

Highest grade English forged steel blade; extra tempered, ground and sharpened; polished and stamped "I. X. L."; through tang; bevelled edge scale handle fastened by steel rivets, length over all, 10¾ inches; average weight per dozen, 3 pounds.

1/2 dozen in a box.

BONING KNIVES

WOSTENHOLM'S "I. X. L."

No. 26090. List per dozen 13.20

6-Inch Blade; Rosewood Handle.

Highest grade English forged steel blade; extra tempered, ground and sharpened; polished and stamped "I. X. L."; through tang; bevelled edge scale handle with three steel rivets; length over all, 10½ inches; average weight per dozen, 2¾ pounds.

1/2 dozen in a box.

COOKS KNIVES

SABATIER

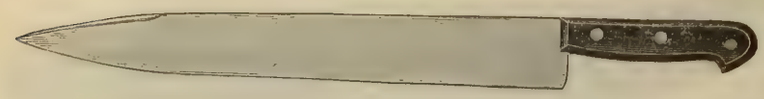
No. 30 x 4½. List per dozen 6.00

Genuine French; 4½-Inch Blade; Ebony Handle.

Extra quality forged steel tapered blade with brazed shoulder; glazed finish and stamped; flush metal ferrule; end rivetted tang; solid ebony shaped handle; finely tempered and sharpened; width at heel, 13/16 inch; length over all, 8¼ inches; average weight per dozen, 1 pound.

1/2 dozen in a box.

COOKS KNIVES



SABATIER

No. 30:—Blade, inches	6	8	10	12
List per dozen	7.30	9.50	14.00	20.00
Length, over all, inches	10¼	12¼	14½	16½
Width at heel, inches	1¼	1½	1¾	2¼
App. weight dozen, lbs.	2	2½	3¼	5¼

Genuine French; Blackwood Handle.

Extra quality forged steel blade, tapering in thickness from bolster to point; swaged point; glazed finish and stamped; through tang; shaped blackwood scale handle fastened by large brass rivets; finely tempered and sharpened.

1/2 dozen in a box.

HAM SLICERS

SABATIER

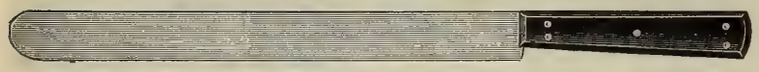
No. 718. List per dozen 16.00

Genuine French; 12-Inch Blade; Ebony Handle.

Extra quality forged steel blade, slightly tapering in thickness and width; glazed finish and stamped; finely tempered and sharpened; through tang; solid ebony bevelled edge scale handle fastened by five brass rivets; length over all, 17½ inches; average weight per dozen, 3 pounds.

1/2 dozen in a box.

BEEF SLICERS



SABATIER

No. 245:—Blade, inches	12	14
List per dozen	17.50	21.50
Length over all, inches	17	19¼
Approximate weight dozen, pounds	4¾	5½

Genuine French; Ebony Handle.

Extra quality forged steel straight blade, slightly tapering in thickness; 1¼ inches wide; glazed finish and stamped; finely tempered and sharpened; through tang; solid ebony bevelled edge scale handle fastened by five brass rivts.

1/2 dozen in a box.

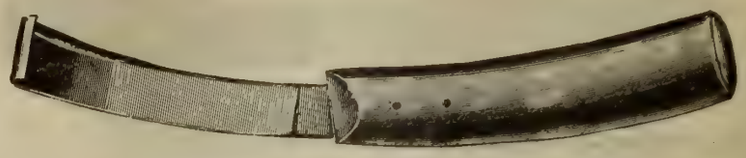
BREAD KNIVES

"Challenge." List per dozen 9.60

Special forged steel blade, 8½ inches long; half swaged back; double serrated edge; glazed finish; nickel plated metal closed ferrule; ebonized wood handle; length over all, 13⅛ inches; average weight per dozen, 2½ pounds.

Each in a carton; 1 dozen in a box.

FARRIERS KNIVES



WOSTENHOLMS.

No. B10000. List per dozen 13.20

Assorted Blades, 1/2 to 3/4 Inch Wide.

Highest grade English forged steel blade, extra tempered, ground and sharpened; polished and stamped "I. X. L."; bone handle slotted to receive tang which is held by two steel rivets; 3½ inch blades; length over all, 8¼ inches; average weight per dozen, 2½ pounds.

1/2 dozen in a package.

SHOE KNIVES

Nos.	5	6
List per dozen	7.00	7.50
Blade, inches	4	4½
Length over all, inches	8	8½
App. weight dozen, pounds	1½	1⅝

Square Point.

Fine quality cutlery steel, carefully tempered and sharpened; glazed finish and stamped; nickel plated steel cap ferrule; stained and polished round basswood rivetted handle; width of blade, 13/16 inch.

1 dozen in a box.

BUTCHER STEELS

WOSTENHOLMS.

No. 900:—Blade, inches	10	12	14
List per dozen	24.00	30.00	34.00
App. weight dozen, pounds	9	12	16

Rosewood Handle.

Highest grade English cast steel stripped blade; brass ferrule guard; bright steel swivel loop.

1/2 dozen in a box.

WOSTENHOLMS

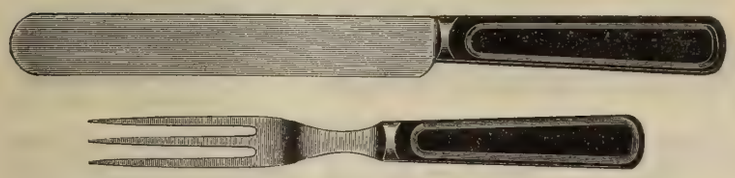
No. 901:—Blade, inches	12	14
List per dozen	44.00	50.00
App. weight dozen, pounds	12	16

Heavy Stag Handle.

Highest grade English cast steel stripped blade; polished steel ferrule, cap and swivel loop; best quality throughout.

1/2 dozen in a box.

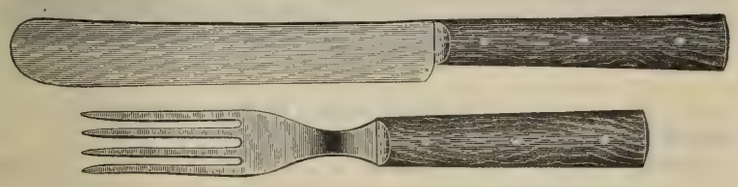
DESSERT AND TABLE KNIVES AND FORKS IN SETS



No. 815. List per dozen pairs 4.90

Table Size; Japanned Iron Handles.
Glazed finish steel blades; welded cast iron handle.
KNIFE:—4¼ inch blade, 8¾ inches long over all.
FORK:—4 tine; length over all, 7¼ inches; average weight per dozen pairs, 1½ pounds.

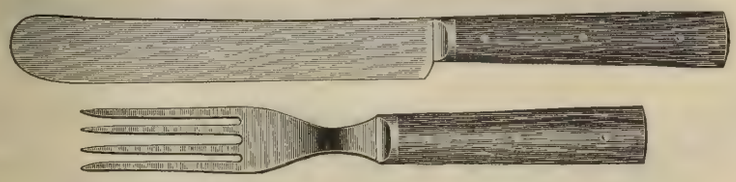
2 dozen pairs in a box.



No. 1107. List per dozen pairs 5.20

Table Size; Cocobolo Handles.
Neatly fitted and finished; through tangs with oval scale handle fastened with three brass rivets.
KNIFE:—glazed finish tempered and sharpened steel blade, 5½ inches long; length over all, 9 inches.
FORK:—Stamped metal, 4 flat tines with flat shank; length over all, 7 inches.

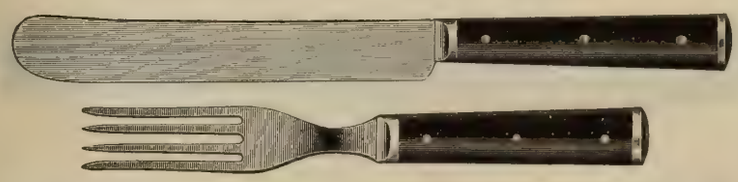
Average weight per dozen pairs, 2 pounds.
1 dozen pairs in a box.



No. 1117. List per dozen pairs 7.50

Table Size; Cocobolo Handles.
Neatly fitted and finished; white metal flush bolsters; through tangs with oval scale handles fastened by three brass rivets.
KNIFE:—Glazed finish, tempered and sharpened steel blade, 5½ inches long; length over all, 9 inches.
FORK:—Stamped metal, 4 flat tines with flat shank; length over all, 7 inches.

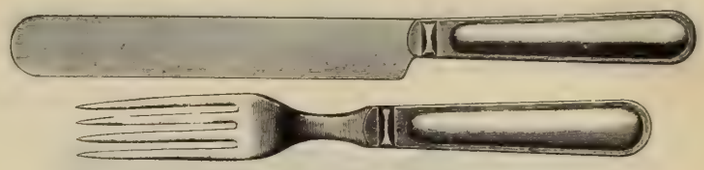
Average weight per dozen pairs, 1½ pounds.
1 dozen pairs in a box.



No. 2127. List per dozen pairs 8.50

Table Size; Ebony Handles.
Well fitted and finished; white metal flush bolster and cap; through tangs with oval scale handles fastened by three brass rivets.
KNIFE:—Glazed finish, tempered and sharpened steel blade 5½ inches long; length over all, 9 inches.
FORK:—Stamped metal, 4 flat tines with flat shank; length over all, 7 inches.

Average weight per dozen pairs, 1¾ pounds.
1 dozen pairs in a box.



HART'S HOLLOW HANDLE

No. 10. List per set 2.60

Table Size; 6 Knives and 6 Forks.
Plain Pattern; Full Nickel Plated.
Cold rolled steel handles; highly tempered shear steel blades; handles are folded and closed by heavy pressure over the blade tangs giving strength and solidity.
KNIFE:—9 inches long over all, 5⅛ inch blade.
FORK:—4 tine; length over all, 7⅝ inches.
Average weight per set, 1⅜ pounds.
1 set in a box.

SILVER PLATED.

"Standard"—

Dessert. List per set 5.20
8¼ inch knife with 4½ inch blade, 7 inch, four tine fork; average weight per set, 1¾ pounds.

Table. List per set 5.50
9¼ inch knife with 5 inch blade; 7½ inch, four tine fork; average weight per set, 2 pounds.

2 Dwt.; Solid Oval Handles; 6 Knives and 6 Forks in Set.
Solid steel, silver plated with 2 dwt. pure silver plating; standard quality; plain rounded end handles.
1 set in a racked box.

SILVER PLATED

6 Dwt.—

Dessert. List per set 8.50
8¼ inch knife with 4½ inch blade; 7 inch, four tine fork; average weight per set, 1¾ pounds.

Table. List per set 8.80
9¼ inch knife with 5 inch blade; 7½ inch, four tine fork; average weight per set, 2 pounds.

6 Dwt.; Solid Oval Handles; 6 Knives and 6 Forks in Set.
Solid steel, uniformly plated with 6 dwt. pure silver plating; plain rounded end handles.
1 set in a racked box.

SILVER PLATED

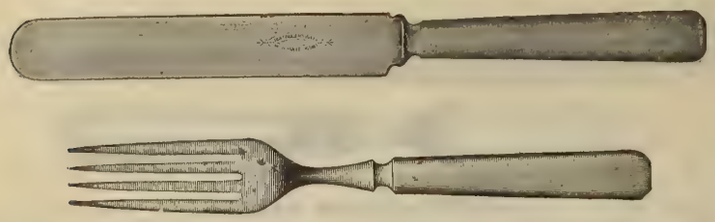
12 Dwt.—

Dessert. List per set 11.50
8¼ inch knife with 4½ inch blade; 7 inch, four tine fork; average weight per set, 1¾ pounds.

Table. List per set 11.90
9¼ inch knife with 5 inch blade; 7½ inch, four tine fork; average weight per set, 2 pounds.

12 Dwt.; Solid Oval Handles; 6 Knives and 6 Forks in Set.
Solid steel, uniformly plated with 12 dwt. pure silver plating; plain rounded end handles.
1 set in a box.

DESSERT AND TABLE KNIVES AND FORKS IN SETS

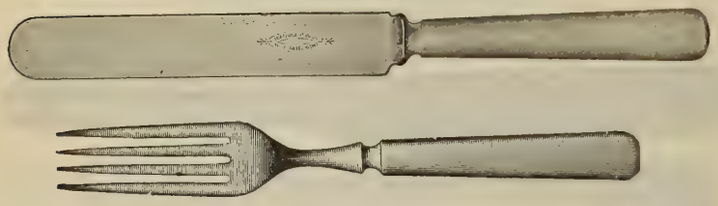


1847 ROGERS BROS.

No. 12. Dessert. List per set 11.50

Silver Plated; Round Pattern Handles.

Extra heavily plated on finest nickel silver and best crucible steel blades; warranted full weight of plating.
KNIFE:—Plated, straight blade 4½ inches long; length over all, 8¼ inches.
FORK:—Four tine, length over all, 7 inches.
Average weight per set, 2 pounds.
1 set of 6 knives and 6 forks in a lined racked box.



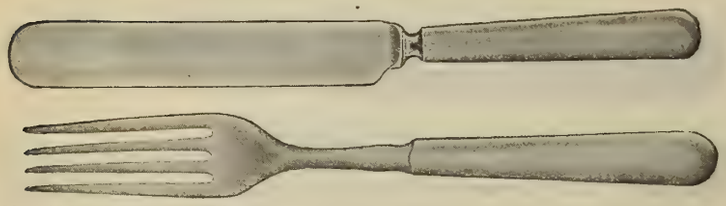
1847 ROGERS BROS.

No. 12. Table. List per set 11.90

Silver Plated; Round Pattern Handles.

Extra heavily plated on finest nickel silver and best cutlery steel blades; warranted full weight of plating.
KNIFE:—Plated, straight blade 5 inches long; length over all, 9¼ inches.
FORK:—Four tine, length, 7½ inches.
Average weight per set, 2½ pounds.
1 set of 6 knives and 6 forks in a lined racked box.

SETS WITH STAINLESS BLADES

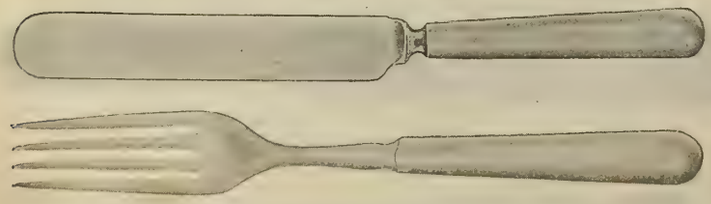


No. 150. Dessert. List per set 9.50

6 Knives and 6 Forks in a Set.

Firth's Stainless, Straight Blades; Solid Oval Handles.

KNIVES:—Highest quality English stainless steel blades, carefully tempered, ground, sharpened and polished; heavily silver plated handles; 4½ inch blades; length over all, 8¼ inches.
FORKS:—Jumbo pattern; Nevada silver throughout; highly burnished; length, 7 inches.
Average weight per set, 1¾ pounds.
1 set in a racked box.



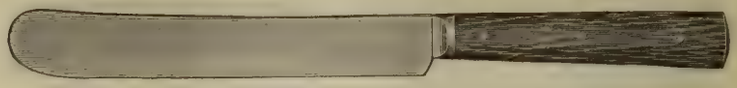
No. 160. Table. List per set 11.00

6 Knives and 6 Forks in a Set.

Firth's Stainless, Straight Blades; Solid Oval Handles.

KNIVES:—Highest quality English stainless steel blades, carefully tempered, ground, sharpened and polished; heavily silver plated handles; 5 inch blades; length over all, 9¼ inches.
FORKS:—Jumbo pattern; Nevada silver throughout; highly burnished; length, 7⅜ inches.
Average weight per set, 2 pounds.
1 set in a racked box.

DESSERT AND TABLE KNIVES



No. 01117. List per dozen 4.60

Table Size; Cocobolo Handle.

Steel blade tempered and sharpened ready for use; glazed finish; white metal flush bolster; through tang; oval scale handle fastened with three brass rivets; length of blade, 5½ inches; length over all, 9 inches; average weight per dozen, 1⅜ pounds.
1 dozen in a box.

SILVER PLATED

"Standard"—

Dessert Knives. List per dozen 5.20

4½ inch blades; length over all, 8¼ inches; average weight per dozen, 2 pounds.

Table Knives. List per dozen 5.50

5 inch blades; length over all, 9¼ inches; average weight per dozen, 2½ pounds.

2 Dwt.; Solid Oval Handle.

Solid steel, silver plated with 2 dwt. silver plating; standard quality; plain rounded end handle; straight blade.
1 dozen in a racked box.

SILVER PLATED

6 Dwt.—

Dessert Knives. List per dozen 8.50

4½ inch blade; length over all, 8¼ inches; average weight per dozen, 2 pounds.

Table Knives. List per dozen 8.80

5 inch blade; length over all, 9¼ inches; average weight per dozen, 2½ pounds.

6 Dwt. Solid Oval Handle.

Solid steel, silver plated with 6 dwt. silver plating; plain rounded end handle; straight blade.
1/2 dozen in a racked box.

SILVER PLATED

12 Dwt.—

Dessert Knives. List per dozen 11.50

4½ inch blade; length over all, 8¼ inches; average weight per dozen, 2¼ pounds.

Table Knives. List per dozen 11.90

5 inch blade, length, over all, 9¼ inches; average weight per dozen, 2¾ pounds.

12 Dwt.; Solid Oval Handle.

Solid steel; uniformly plated with full weight pure silver plating; plain rounded end handle; straight blade.
1/2 dozen in a racked box.

WAVERLEY DESSERT AND TABLE KNIVES

No. 1200. Dessert. List per dozen 9.00
White Oval Celluloid Handle; Straight Blade.
Fine grade Sheffield cutlery steel blade 4½ inches long; carefully tempered, evenly ground and sharpened; well finished and polished; long tang; hollowed bolster; firmly fastened handle; length over all, 8 inches; average weight per dozen, 17 ounces.
1 dozen in a box.

No. 1200. Table. List per dozen 9.50
White Oval Celluloid Handle; Straight Blade.
Fine grade Sheffield cutlery steel blade 5½ inches long; carefully tempered, evenly ground and sharpened, well finished and polished; long tang; hollowed bolster; firmly fastened handles; length over all, 9⅛ inches; average weight per dozen, 1¼ pounds.
1 dozen in a box.

No. 1300. Dessert. List per dozen 9.30
Square White Celluloid Handle; Straight Blade.
Fine quality Sheffield cutlery steel blade 4¾ inches long; carefully tempered, evenly ground and sharpened, well finished and polished; long tang; raised bolster; firmly fastened handle; length over all, 8 inches; average weight per dozen, 1⅛ pounds.
1 dozen in a box.

No. 1300. Table. List per dozen 9.70
Square White Celluloid Handle; Straight Blade.
Fine quality Sheffield cutlery steel blade 5½ inches long; carefully tempered; evenly ground and sharpened; well finished and polished; long tang; raised bolster; firmly fastened handle; length over all, 9⅛ inches; average weight per dozen, 1⅜ pounds.
1 dozen in a box.

No. 1210. Dessert. List per dozen 11.00
Oval White Celluloid Handle; Straight Blade.
High grade Sheffield cutlery steel blade 4½ inches long; swaged back; carefully tempered; evenly ground and sharpened; well finished and polished; long tang; hollowed bolster; firmly fastened handle; length over all, 8¼ inches; average weight per dozen, 1¼ pounds.
1 dozen in a box.

No. 1210. Table. List per dozen 11.30
Oval White Celluloid Handle; Straight Blade.
High grade Sheffield cutlery steel blade 5½ inches long; swaged back; carefully tempered; evenly ground and sharpened; well finished and polished; long tang; hollowed bolster; firmly fastened handle; length over all, 9½ inches; average weight per dozen, 1½ pounds.
1 dozen in a box.

No. 1310. Dessert. List per dozen 11.00
Square White Celluloid Handle; Straight Blade.
Highest grade Sheffield cutlery steel blade 4¾ inches long; carefully tempered; evenly ground and sharpened; well finished and polished; raised bolster; long tang; firmly fastened handle; length over all, 8¼ inches; average weight per dozen, 1¼ pounds.
1 dozen in a box.

No. 1310. Table. List per dozen 11.30
Square White Celluloid Handle; Straight Blade.
Highest grade Sheffield cutlery steel blade 5½ inches long; carefully tempered; evenly ground and sharpened; well finished and polished; raised bolster; long tang; firmly fastened handle; length over all, 9½ inches; average weight per dozen, 1½ pounds.
1 dozen in a box.

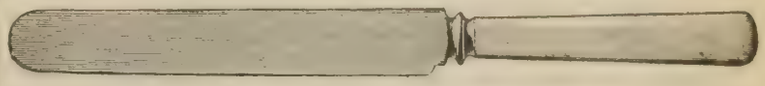
CROOKES DESSERT AND TABLE KNIVES

JONATHAN CROOKES, Sheffield, England.

No. 0122. Dessert. List per dozen 9.50
Square White Xylo Handle; Straight Blade.
Finest Sheffield cutlery steel blade 4½ inches long; finely tempered, ground, sharpened and polished; etched; firmly fastened handle; raised bolster; length over all, 8 inches; average weight per dozen, 1¼ pounds.
1 dozen in a box.

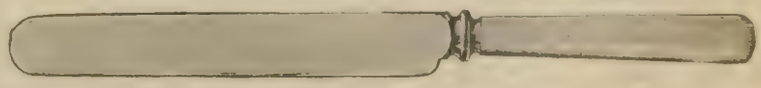
JONATHAN CROOKES, Sheffield, England.

No. 0122. Table. List per dozen 10.50
Square White Xylo Handle; Straight Blade.
Finest Sheffield cutlery steel blade 5⅝ inches long; finely tempered, ground, sharpened and polished; etched; raised bolster; firmly fastened handle; length over all, 9⅝ inches; average weight per dozen, 1½ pounds.
1 dozen in a box.



JONATHAN CROOKES, Sheffield, England.

No. 0131. Dessert. List per dozen 9.50
Oval White Xylo Handle; Straight Blade.
Finest Sheffield cutlery steel blade 4½ inches long; finely tempered, ground, sharpened and polished; etched; Waterloo bolster; firmly fastened handle; length over all, 8⅛ inches; average weight per dozen, 1¼ pounds.
1 dozen in a box.



JONATHAN CROOKES, Sheffield, England.

No. 0131. Table. List per dozen 10.50
Oval White Xylo Handle; Straight Blade.
Finest Sheffield cutlery steel blade 5⅝ inches long; finely tempered, ground, sharpened and polished; etched; Waterloo bolster; firmly fastened handle; length over all, 9⅝ inches; average weight per dozen, 1½ pounds.
1 dozen in a box.

STAINLESS DESSERT AND TABLE KNIVES

Permanent polished blades; require no cleaning, unaffected by acids, foods or dampness.

No. 120. Dessert. List per dozen 14.40
4½ inch blade; length over all, 8¼ inches; average weight per dozen, 2 pounds.

No. 130. Table. List per dozen 17.00
5 inch blade; length over all, 9¼ inches; average weight per dozen, 2½ pounds.

Silver Plated Solid Handle; Straight Blade.

Firth's highest quality English stainless steel blade; carefully tempered, ground and sharpened; finely finished; heavily silver plated solid metal, plain oval handle.

1/2 dozen in a racked box.

JONATHAN CROOKES

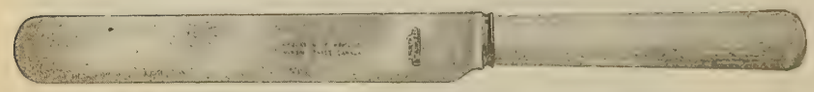
No. 0215. Dessert. List per dozen 19.00
4⅝ inch blade; length over all, 8½ inches; average weight per dozen, 1½ pounds.

No. 0215. Table. List per dozen 22.50
5¾ inch blade; length over all, 10 inches; average weight per dozen, 2 pounds.

Oval White Xylo Handle; Straight Blade.

Firth's finest quality English stainless cutlery steel blade; carefully tempered, ground and sharpened; finely polished and finished; Waterloo bolster; firmly fastened handle; perfectly fitted.

1/2 dozen in a racked box.



No. 921. Dessert. List per dozen 19.00
4¾ inch blade; length over all, 8¼ inches; average weight per dozen, 1¾ pounds.

No. 921. Table. List per dozen 22.00
5½ inch blade; length over all, 9¾ inches; average weight per dozen, 2¼ pounds.

Oval White Grained Celluloid Handle; Straight Blade.

Firth's finest quality English stainless cutlery steel blade; tempered, ground, sharpened and polished with care; well finished throughout; solid bolster; long tang; securely fastened handle.

1/2 dozen in a racked box.

WOSTENHOLM'S

No. 2120. Dessert. List per dozen 26.00
4¾ inch blade; length over all, 8½ inches; average weight per dozen, 1½ pounds.

No. 2120. Table. List per dozen 32.00
5¾ inch blade; length over all, 10 inches; average weight per dozen, 2 pounds.

Extra Fine Mirror Finish Blade.
Square White Grained Celluloid Handle.

Highest grade English stainless cutlery steel blade, expertly tempered and sharpened; perfectly fitted; mirror finish blade giving the effect of silver; long tang; plain bolster; firmly fastened handle.

1/2 dozen in a flannel tidy with pocket for each knife.

No. 949. Dessert. List per dozen 19.00
4⅝ inch blade; length over all, 8¼ inches; average weight per dozen, 1¾ pounds.

No. 949. Table. List per dozen 22.00
5½ inch blade; length over all, 9⅝ inches; average weight per dozen, 2¼ pounds.

Square White Celluloid Handle; Straight Blade.

Firth's finest quality English stainless cutlery steel blade; tempered, ground, sharpened and polished with care; well fastened handle; long tang; solid bolster; carefully finished.

1/2 dozen in a racked box.

WOSTENHOLM'S

No. 2121. Dessert. List per dozen 28.00
4¾ inch blade; length over all, 8½ inches; average weight per dozen, 1⅜ pounds.

Extra Fine Mirror Finish Blade.
Oval White Grained Celluloid Handle.

Highest grade English stainless cutlery steel blade; expertly tempered and sharpened; perfectly fitted; mirror finish blade giving the effect of silver; Waterloo bolster; long tang; firmly fastened handle.

1/2 dozen in a flannel tidy with pocket for each knife.

JONATHAN CROOKES

No. 0212. Dessert. List per dozen 18.00
4½ inch blade; length over all, 8 inches; average weight per dozen, 1⅜ pounds.

No. 0212. Table. List per dozen 21.00
5⅝ inch blade; length over all, 9½ inches; average weight per dozen, 1⅝ pounds.

Square White Xylo Handle; Straight Blade.

Firth's finest quality English stainless cutlery steel blade; carefully tempered, ground and sharpened; finely polished and finished; raised bolster; securely fastened handle; nicely fitted.

1/2 dozen in a racked box.

WOSTENHOLM'S

No. 2121. Table. List per dozen 34.00
5¾ inch blade; length over all, 10 inches; average weight per dozen, 1¾ pounds.

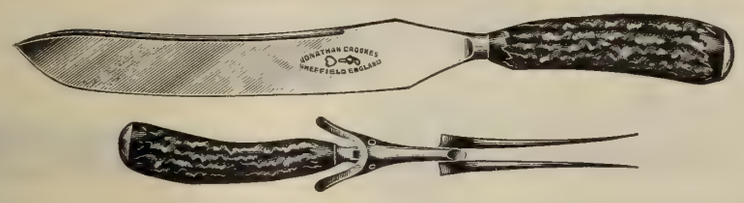
Extra Fine, Mirror Finish Blade.
Oval White Grained Celluloid Handle.

Highest grade English stainless cutlery steel blade; expertly tempered and sharpened; perfectly fitted; mirror finish blade giving the effect of silver; Waterloo bolster; long tang; firmly fastened handle.

1/2 dozen in a flannel tidy with pocket for each knife.

CARVERS IN PAIRS

Highest grade forged English cutlery steel; expertly tempered, ground and sharpened; carefully fitted and finished throughout.



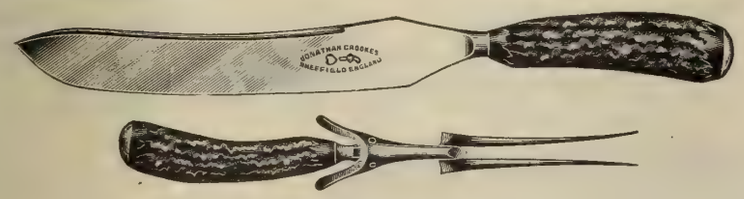
CROOKES

No. 56. List per pair 3.70

2-Piece; Imitation Stag Handle.

English pattern knife blade, 8 inches long; 2-prong steel fork with Jockey guard; plain solid bolsters; polished steel end caps.

1 pair in a box.



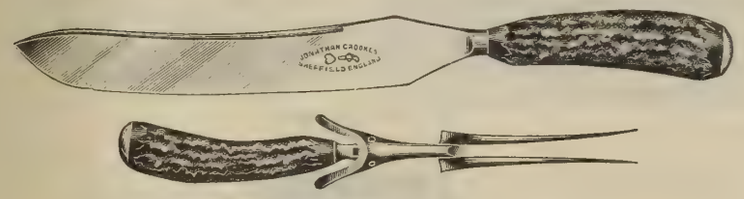
CROOKES

No. 400. List per pair 4.50

STAINLESS; 2-Piece; Genuine Stag Handles.

English pattern knife blade, 8 inches long; 2-prong steel fork with Jockey guard; plain solid bolsters; polished steel end caps.

1 pair in a cardboard box.



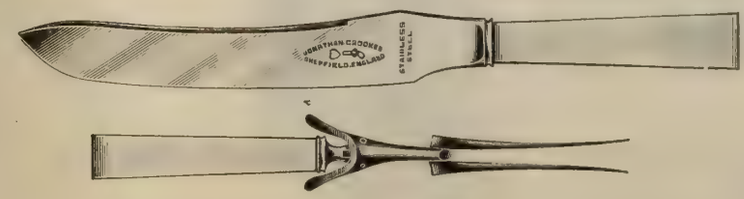
CROOKES

No. 410. List per pair 5.00

2-Piece; Genuine Stag Handles.

English pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; plain solid bolsters; polished steel end caps.

1 pair in a cardboard box.



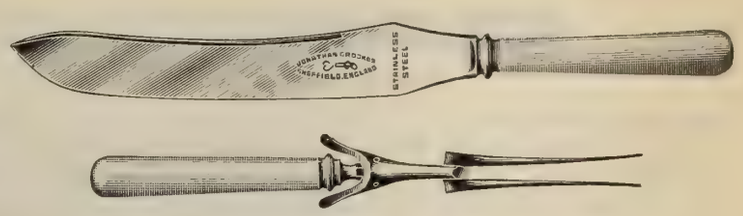
CROOKES

No. 103. List per pair 6.50

STAINLESS; 2-Piece; Square White Xylo Handles.

English pattern stainless knife blade, 9 inches long, swaged back; 2-prong steel fork with Jockey guard; raised solid bolsters; firmly fastened handles.

1 pair in a cardboard box.



CROOKES

No. 113. List per pair 7.00

STAINLESS; 2-Piece; White Oval Xylo Handles.

English pattern stainless knife blade, 9 inches long, swaged back; 2-prong steel fork with Jockey guard; Waterloo bolsters; firmly fastened handles.

1 pair in a cardboard box.

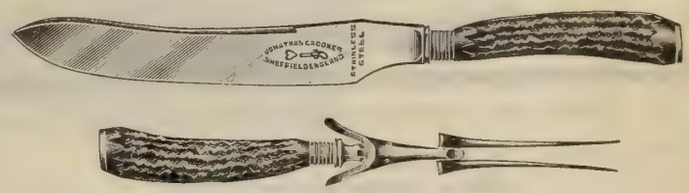
CROOKES

No. 307. List per pair 9.00

STAINLESS; 2-Piece; Genuine Stag Handles.

French pattern stainless knife blade, 9 inches long; 2-prong steel fork with Jockey guard; Empire silver fancy ferrules and plain end caps.

1 pair in a cardboard box.



CROOKES

No. 205. List per pair 9.00

STAINLESS; 2-Piece; Genuine Stag Handles.

English pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; Empire silver fancy ferrules and plain end caps.

1 pair in a cardboard box.

WOSTENHOLMS

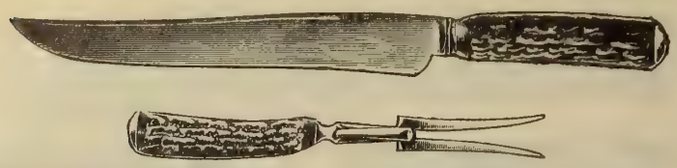
No. 2123. List per pair 7.20

STAINLESS; 8-Inch Blade; Imitation Stag Handles.

French pattern knife blade, 8 inches long; 2-prong steel fork with wire Jockey guard; plain bolster; polished end plates.

1 pair in a box.

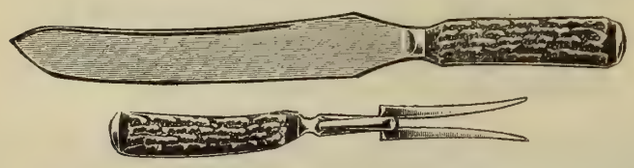
CARVERS IN PAIRS



ENGLISH MAKE

No. 1321. List per pair 3.50

2-Piece; 8-Inch Blade; Imitation Stag Handle.
French pattern knife blade, 8 inches long; 2-prong steel fork with plain guard; plain solid bolsters; polished steel end plates; tempered, sharpened and nicely finished; average weight per card, 1/2 pound.
1 pair on a card; 3 in a box.

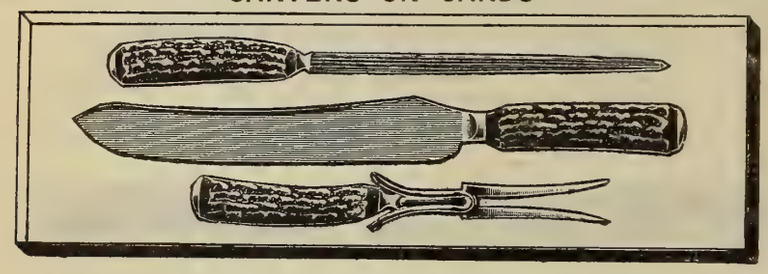


ENGLISH MAKE

No. 1320. List per pair 3.50

2-Piece; 8-Inch Blade; Imitation Stag Handle.
English pattern knife blade, 8 inches long; 2-prong steel fork with plain guard; plain solid bolsters; polished steel end plates; tempered, sharpened and nicely finished; average weight per card, 1/2 pound.
1 pair on a card; 3 in a box.

CARVERS ON CARDS



JONATHAN CROOKES, SHEFFIELD, ENGLAND

No. 60. List per set 5.00

3-Piece; Imitation Stag Handle.
English pattern knife blade, 8 inches long; 2-prong steel fork with Jockey guard; stripped steel; plain solid bolsters; polished steel end caps.
1 set on a card; each in a cardboard box.

KNIFE AND SCISSORS SHARPENER

List per dozen 4.00

A simple device which easily and satisfactorily sharpens both scissors and knives of any kind; aluminum frame, 1¾ inches wide; flat brass tension spring scissor holder; flanged knife guide; fine steel sharpening file; fitted with 3½ inch ebonized wood handle, frame and handle securely bolted together; length over all, 4⅞ inches; average weight per dozen, 2¼ pounds.
Open stock, paper wrapped.

STEELS

No. 0131. List per dozen 21.50

Oval, White Celluloid Handle.
7 inch cast steel, stripped; solid bolster; firmly fastened handle; average weight per dozen, 4 pounds.
1/2 dozen in a box.

No. 0122. List per dozen 21.50

Square, White Celluloid Handle.
7 inch cast steel, stripped; solid bolster; firmly fastened handle; average weight per dozen, 4 pounds.
1/2 dozen in a box.

No. 1202. List per dozen 21.50

Stag Handle.
7 inch cast steel, stripped; Empire silver ferrule; polished steel end cap; secure handle; average weight per dozen, 6 pounds.
1/2 dozen in a box.

KNIFE SHARPENERS

CARBORUNDUM

No. 76. List per dozen 10.50

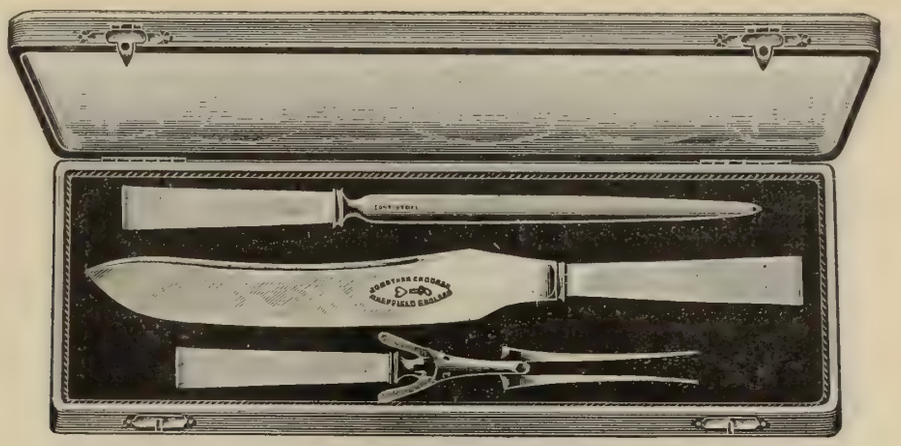
Fine Carborundum, round tapering blade, 9 inches long, firmly secured to ebonized wood handle by a steel rod extending its entire length; nickel plated metal ferrule and guard; length over all, 14 inches; an ideal sharpener for all household knives; average weight per dozen, 6 pounds.
1 dozen in a box.

Natural Grit. List per dozen 5.00

Selected fine solid grit round tapered blade, 8 inches long; nickel plated metal ferrule; ebonized wood handle; will not scratch or mar the finest blade; especially desirable for table cutlery; length over all, 12¾ inches; shipping weight per dozen, 5 pounds.
1 dozen in a counter display stand.

CELLULOID HANDLE CARVERS IN CASES

Highest grade forged English cutlery steel; expertly tempered, ground and sharpened; finely finished and perfectly fitted throughout. In leatherette covered, plush, velvet, silk and satin lined wood cases with brass hinges and clasps.



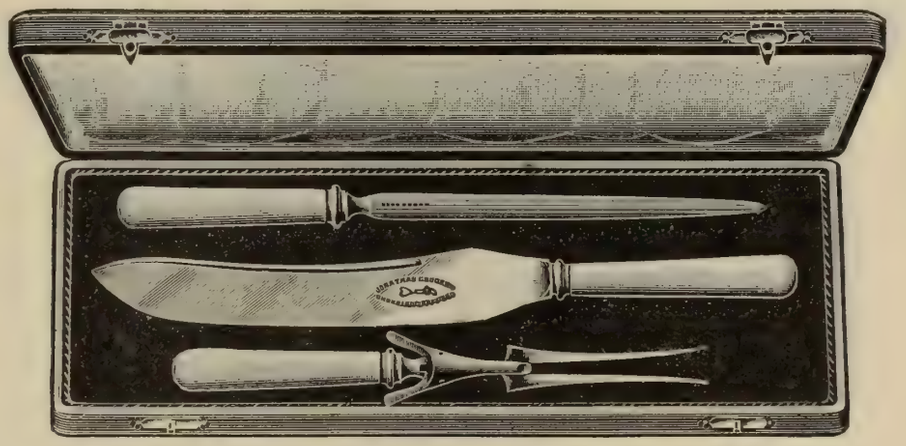
CROOKES

No. 1030. List per set 8.00

3-Piece; 9-Inch Blade; Square White Celluloid Handles.

English pattern knife blade, 9 inches long, swaged back; 2-prong steel fork with Jockey guard; stripped steel; raised solid bolster; firmly fitted handles. CASE:—Silk and plush lined.

Each in a box.



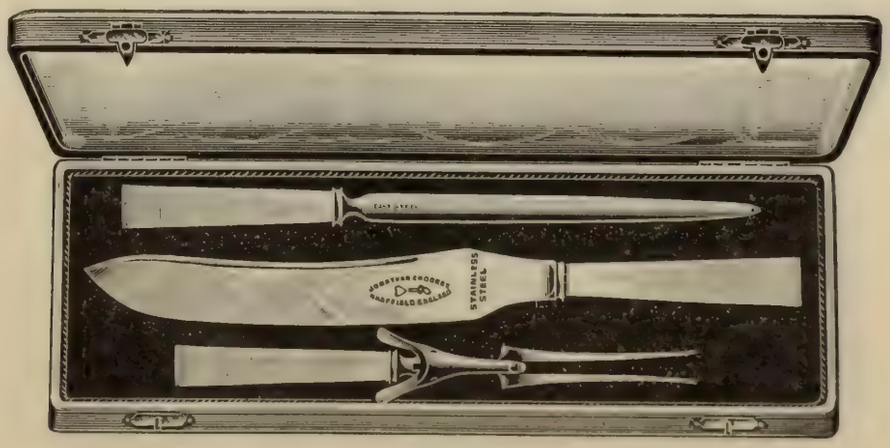
CROOKES

No. 1031. List per set 9.00

3-Piece; 9-Inch Blade; Oval White Celluloid Handles.

English pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; stripped steel; polished Waterloo bolsters; firmly fitted handles. CASE:—Silk and plush lined.

Each in a box.



CROOKES

No. 1041. List per set 11.00

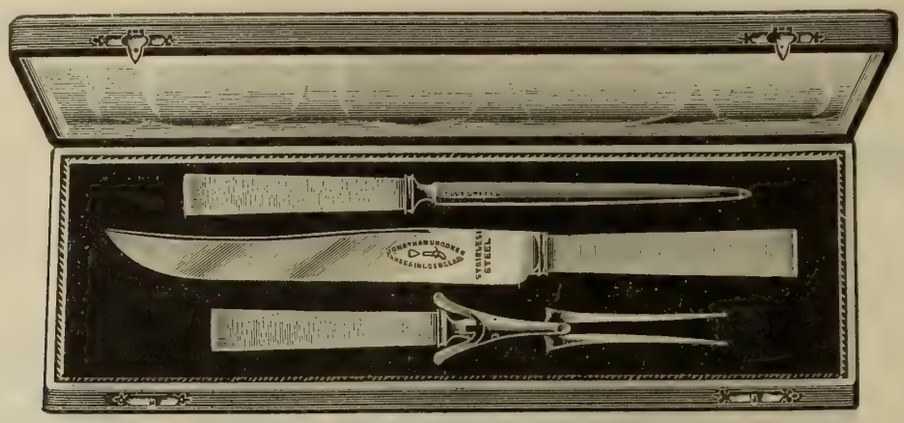
STAINLESS; 3-Piece; Square White Celluloid Handles.

English pattern knife blade, 9 inches long, swaged back; 2-prong steel fork with Jockey guard; stripped steel; raised solid bolsters; firmly fitted handles. CASE:—Silk and plush lined.

Each in a box.

CELLULOID HANDLE CARVERS IN CASES

Highest grade forged English cutlery steel; expertly tempered, ground and sharpened; finely finished and perfectly fitted throughout. In leatherette covered, plush, velvet, silk and satin lined wood cases with brass hinges and clasps.



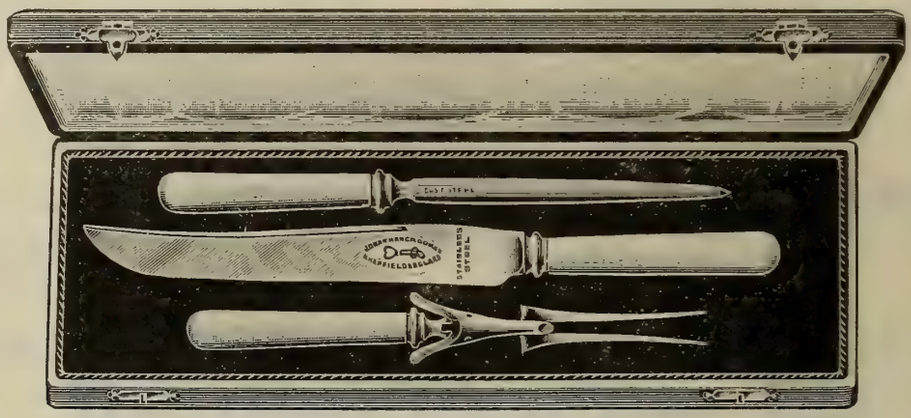
CROOKES

No. 1050. List per set 11.00

STAINLESS; 3-Piece; Square White Celluloid Handles.

French pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; stripped steel; raised solid bolsters; firmly fitted handles. CASE:—Silk and plush lined.

Each in a box.



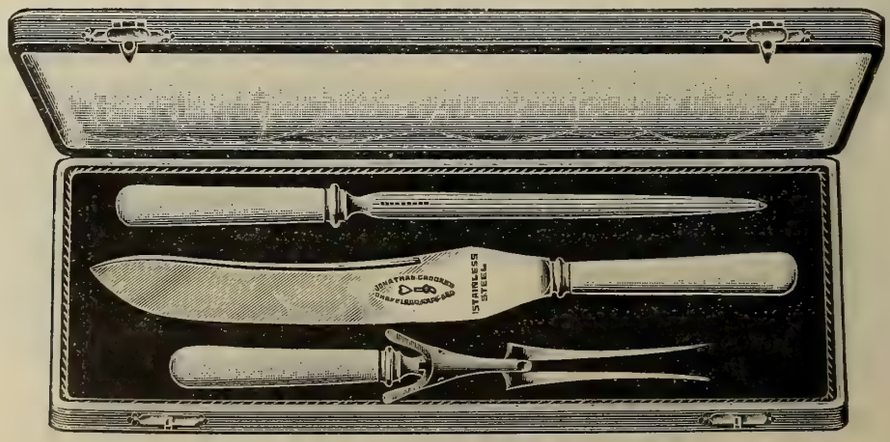
CROOKES

No. 1051. List per case 11.50

STAINLESS; 3-Piece; Oval White Celluloid Handles.

French pattern knife blade, 9 inches long; 2-prong steel fork, with Jockey guard; stripped steel; polished Waterloo bolsters; firmly fitted handles. CASE:—Silk and plush lined.

Each in a box.



CROOKES

No. 1040. List per set 11.50

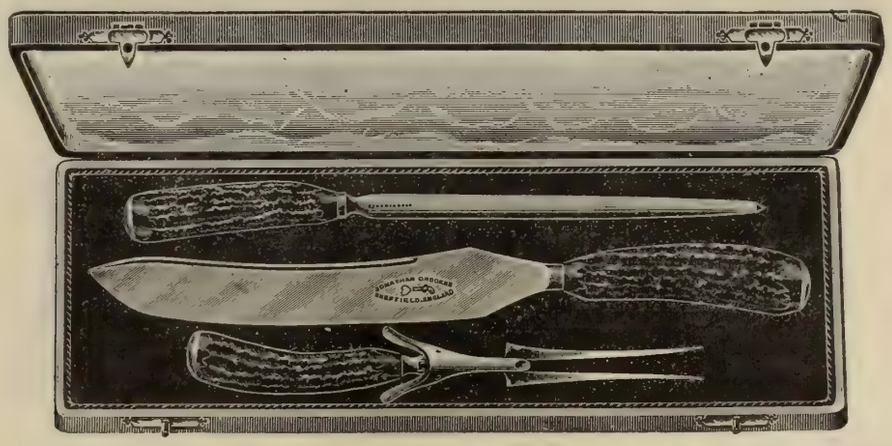
STAINLESS; 3-Piece; Oval White Celluloid Handles.

English pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; stripped steel; polished Waterloo bolsters; firmly fitted handles. CASE:—Silk and plush lined.

Each in a box.

STAG HANDLE CARVERS IN CASES

Highest grade forged English cutlery steel; expertly tempered, ground and sharpened; finely finished and perfectly fitted throughout. In leatherette covered, plush, velvet, silk and satin lined wood cases with brass hinges and clasps.



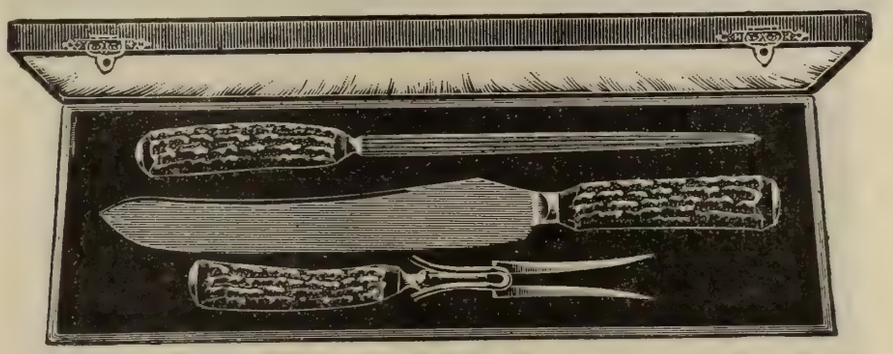
CROOKES

No. 560. List per set 8.00

3-Piece; 8-Inch Blade; Imitation Stag Handles.

English pattern knife blade, 8 inches long; 2-prong steel fork with Jockey guard; stripped steel; plain solid bolsters; polished steel end caps. CASE:—Silk and plush lined.

Each in a box.



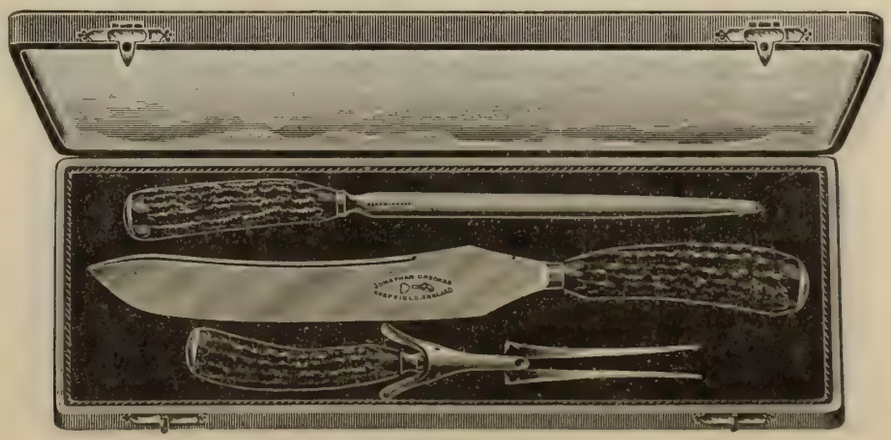
WOSTENHOLM'S

No. 540. List per set 8.00

3-Piece; 8-Inch Blade; Pressed Buffalo Handles.

English pattern knife blade; 2-prong steel fork with wire Jockey guard; stripped steel; plain bolsters; polished steel end plates. CASE:—Velveteen and satin lined.

Each in a box.



CROOKES

No. 562. List per set 9.00

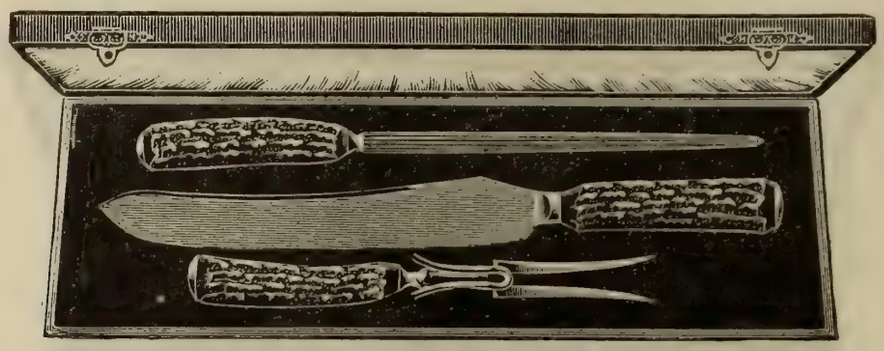
3-Piece; 9-Inch Blade; Imitation Stag Handles.

English pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; stripped steel; plain solid bolsters; polished steel end caps. CASE:—Silk and plush lined.

Each in a box.

STAG HANDLE CARVERS IN CASES

Highest grade forged English cutlery steel; expertly tempered, ground and sharpened; finely finished and perfectly fitted throughout. In leatherette covered, plush, velvet, silk and satin lined wood cases with brass hinges and clasps.



WOSTENHOLM'S

No. 972. List per set 9.50

3-Piece; 9-Inch Blade; Genuine Stag Handles.

English pattern knife blade; 2 prong steel fork with wire Jockey guard; stripped steel; plain bolsters; polished steel end plates. CASE:—Velvet lined.

Each in a box.

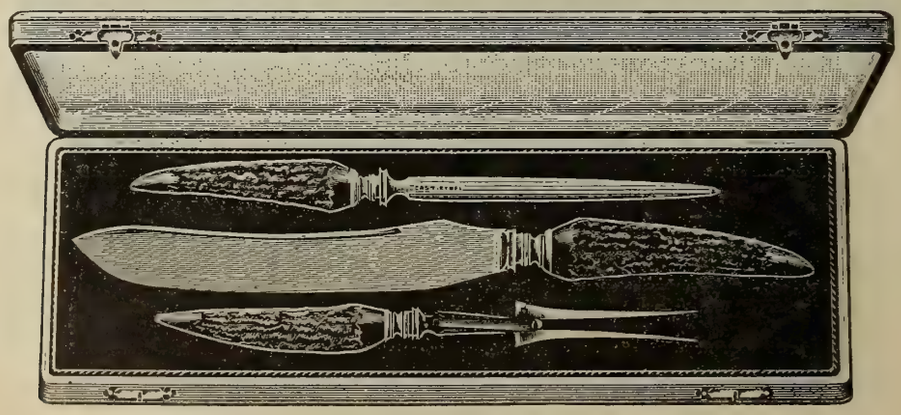
WOSTENHOLM'S

No. 395. List per set 10.00

3-Piece; 9-inch Blade; Imitation Stag Handles.

English pattern knife blade, 9 inches long; 2-prong steel fork with wire Jockey guard; stripped steel; electro plated mounts and end caps. CASE:—Imitation Morocco leather covered; blue velvet and satin lined.

Each in a box.



WOSTENHOLM'S

No. 313. List per set 10.50

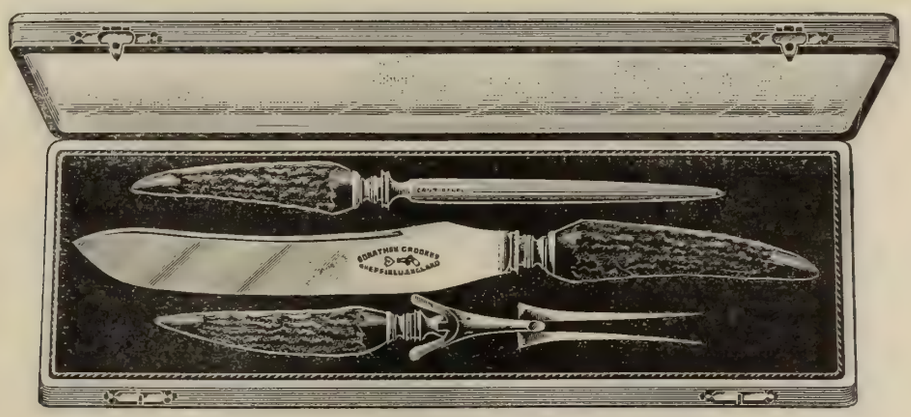
3-Piece; 9 inch Blade; Genuine Stag Handles.

English pattern knife blade; 2-prong steel fork with plain guard; stripped steel; electro plated ferrules. CASE:—Plush lined.

Each in a box.

STAG HANDLE CARVERS IN CASES

Highest grade forged English cutlery steel; expertly tempered, ground and sharpened; finely finished and perfectly fitted throughout. In leatherette covered, plush, velvet, silk and satin lined wood cases with brass hinges and clasps.



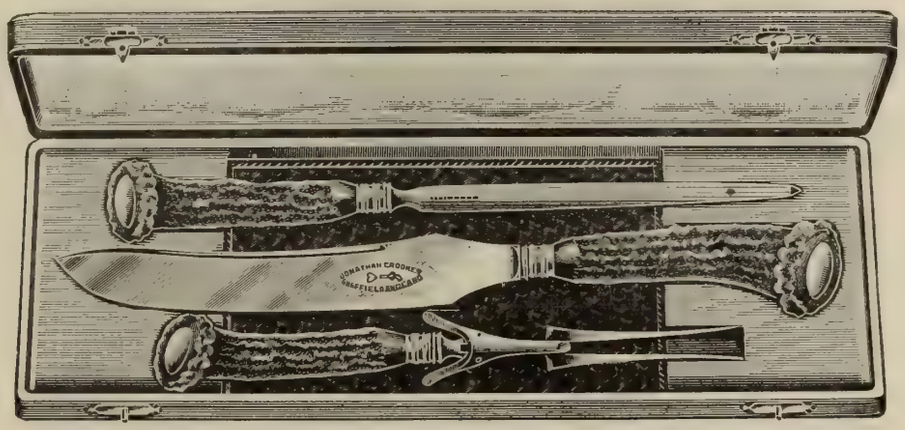
CROOKES

No. 2132. List per set 11.50

STAINLESS; 3-Piece; 9-inch Blade; Imitation Stag Handles.

English pattern stainless knife blade, 9 inches long; 2-prong steel fork with Jockey guard; stripped steel; solid bolsters; silver plated mountings. CASE:—Silk and plush lined.

Each in a box.



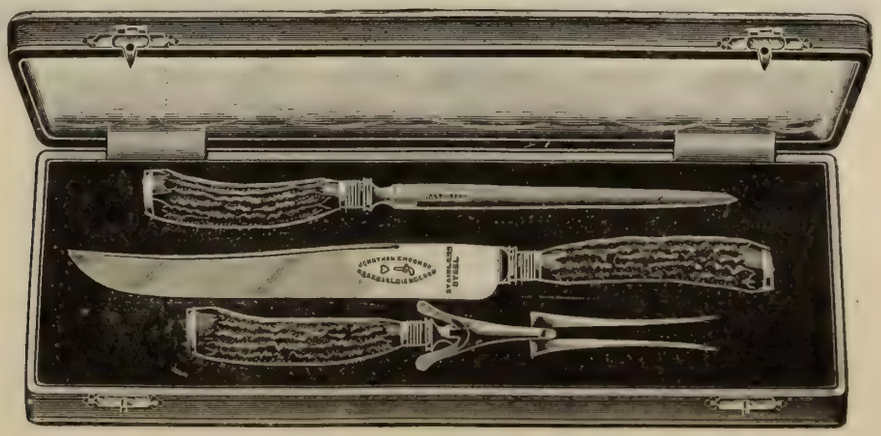
CROOKES

No. 2131. List per set 14.00

3-Piece; 9-Inch Blade; Knot Pattern Stag Handles.

English pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; stripped steel; silver plated fancy ferrules and plain end plates. CASE:—Silk and plush lined.

Each in a box.



CROOKES

No. 2140. List per set 14.00

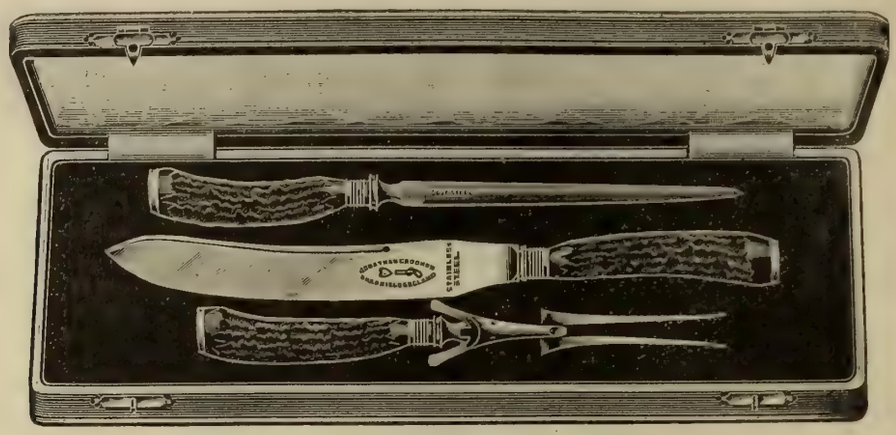
STAINLESS; 3-Piece; Genuine Stag Handles.

French pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; stripped steel; Empire silver fancy ferrules and plain end caps. CASE:—Silk and plush lined.

Each in a box.

STAG HANDLE CARVERS IN CASES

Highest grade hand forged double-shear English cutllery steel; expertly tempered, ground and sharpened; finely finished and perfectly fitted throughout. Attractively and neatly packed in imitation leather covered, velveteen and satin lined wood cases with brass hinges and clasps.

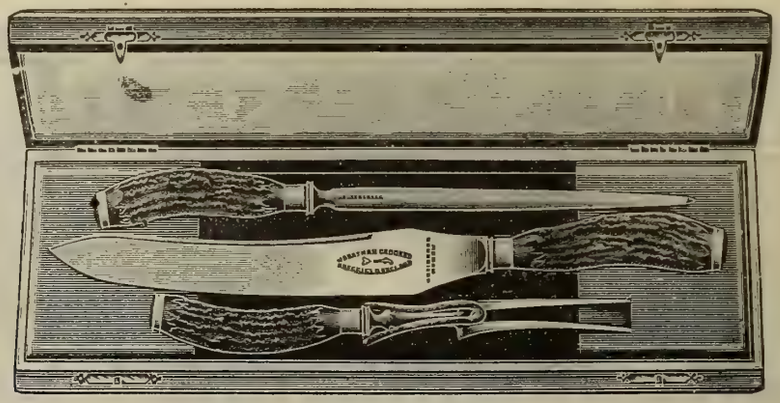


CROOKES

No. 2130. List per set 14.00

STAINLESS; 3-Piece; Genuine Stag Handles.

English pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; stripped steel; Empire silver fancy ferrules and plain end caps. CASE:—Silk and plush lined. Each in a box.



CROOKES

No. 2133. List per set 15.00

STAINLESS; 3-Piece; 9-inch Blade; Stag Handles.

English pattern knife blade, 9 inches long; 2-prong steel fork with Jockey guard; stripped steel; silver plated plain ferrules and end caps. CASE:—Plush and silk lined with blocked ends.

Each in a box.

WOSTENHOLM'S

No. 463. List per set 17.50

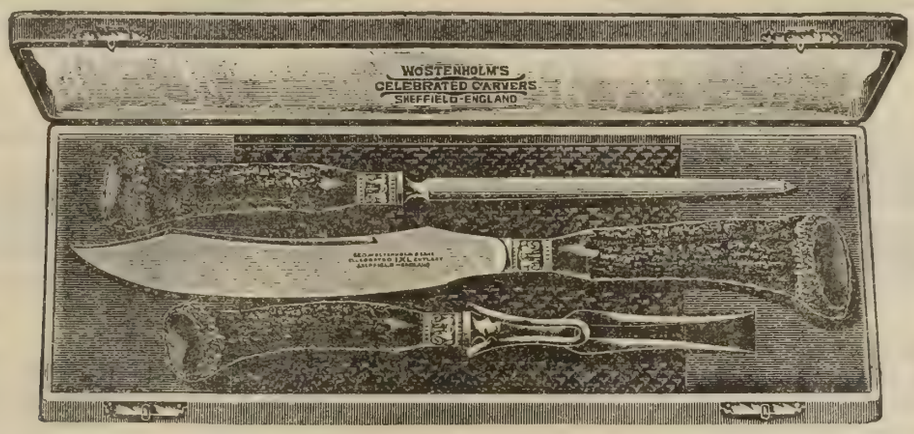
STAINLESS; 3-Piece; 9-inch Blade; Imitation Stag Handles.

English pattern knife blade, 9 inches long; 2 prong steel fork with wire Jockey guard; stripped steel; electro plated fancy ferrules and plain end caps. CASE:—Imitation Morocco leather covered, blue velvet and satin lined.

Each in a box.

STAG HANDLE CARVERS IN CASES

Highest grade hand forged double-shear English cutllery steel; expertly tempered, ground and sharpened; finely finished and perfectly fitted throughout. Attractively and neatly packed in imitation leather covered, velveteen and satin lined wood cases with brass hinges and clasps.



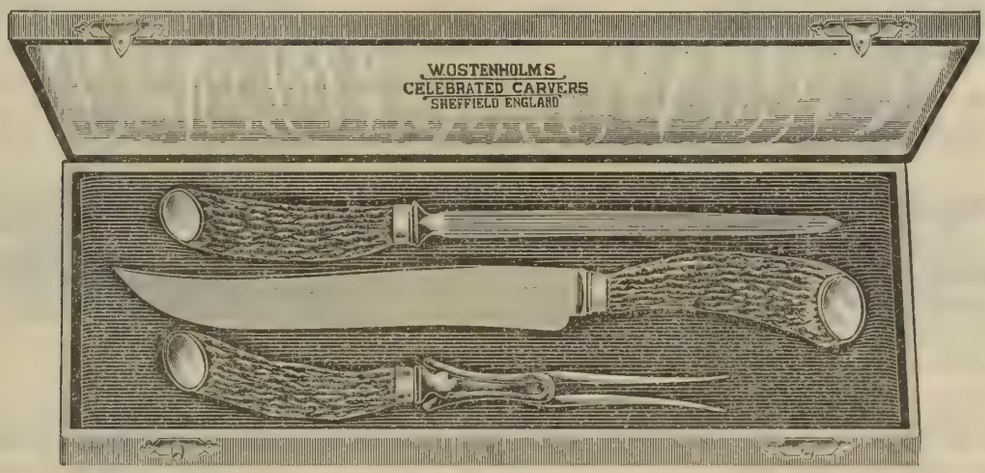
WOSTENHOLM'S

No. 469. List per set 21.50

STAINLESS; 3-Piece; 9-inch Blade; Genuine Stag Crown Handles.

Clip point knife blade, 9 inches long; 2 prong steel fork with wire Jockey guard; stripped steel; electro plated mountings. CASE:—Imitation Morocco leather covered; blue plush and satin lined; blocked ends.

Each in a box.



WOSTENHOLM'S

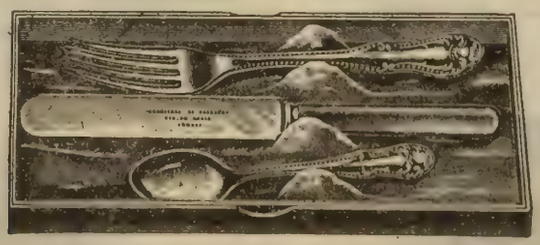
No. 690. List per set 28.00

STAINLESS; 3-Piece; 9-inch Blade; Genuine Stag Handles.

French pattern stainless knife blade; 2-prong steel fork with wire Jockey guard; stripped steel; sterling silver plain ferrules and end caps; firmly fastened selected stag handles. CASE:—Imitation Morocco leather covered; green velvet and satin lined.

Each in a box.

CHILDREN'S SETS



"Bernice." List per dozen sets 10.80

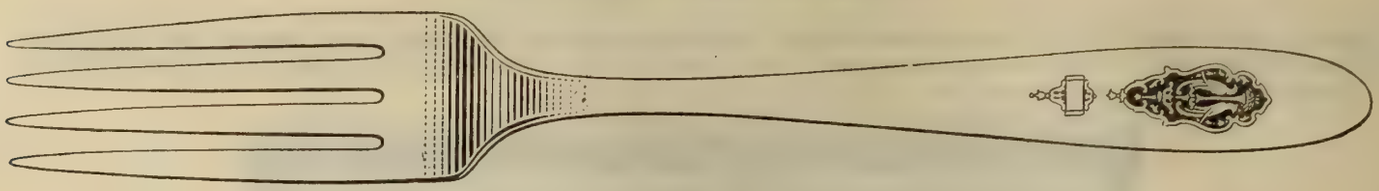
3-Piece; Knife, Fork and Spoon.

KNIFE:—3¾ inch blade; 7 inches long over all; solid plain oval handle.
FORK:—3 tine, Leonora pattern; length, 5½ inches.
SPOON:—4⅜ inches long.

All heavily silver plated; average weight per dozen, 3 pounds.

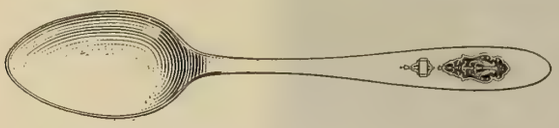
Each set in a lined box; 1 dozen in a carton.

COMMUNITY SILVERPLATE



BIRD OF PARADISE PATTERN

The latest pattern in Community Plate, representing a new and modern note in silverware design; bright butler finish relieved with the dainty Bird of Paradise Medalion; "Community" quality throughout.



5 O'clock Tea Spoons. List per dozen 10.80

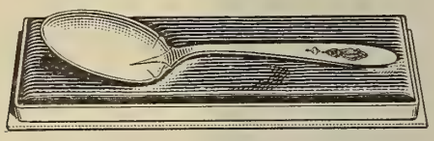
Length, 5 inches; for tea, sherbet, ices, sundaes, etc.; packed 1/2 dozen in a plain box.

Dessert Spoons. List per dozen 21.00

Length, 7⅛ inches; packed 1/2 dozen in a plain box.

Table Spoons. List per dozen 21.60

Length, 8⅛ inches; packed 1/2 dozen in a plain box.



Preserve Spoons. List per dozen 45.90

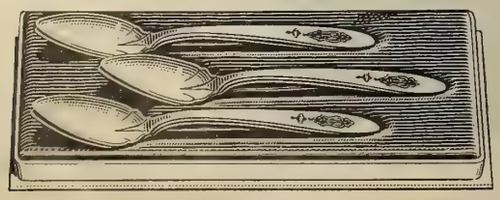
Or small Berry Spoon; for serving from casserole or baking dishes; also used with cold meat fork for salad serving; length, 7¾ inches.

1/12 dozen in a blue velvet box.

Olive Spoons. List per dozen 30.80

For serving olives, pickles, salted nuts, etc.; length, 5¾ inches.

1/12 dozen in a blue velvet box.



Orange Spoons. List per dozen 17.80

Length, 5⅜ inches; for use with oranges, grapefruits, melons, etc.

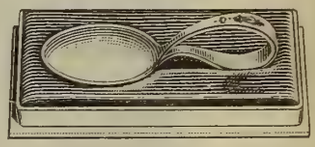
1/2 dozen in a blue velvet box.

Tea Spoons, Regular. List per dozen 10.80

Length, 6 inches; packed 1/2 dozen in a plain box.

Soup Spoons. List per dozen 10.80

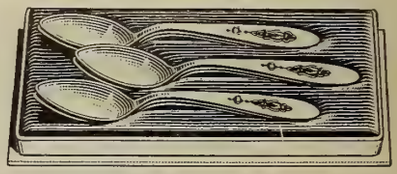
Round Bowl; length, 7⅛ inches; ½ dozen in a plain box.



Baby Spoons. List per dozen 19.00

Curved Handle; length, 3½ inches; specially designed to meet the requirements of bread and milk and cereal foods.

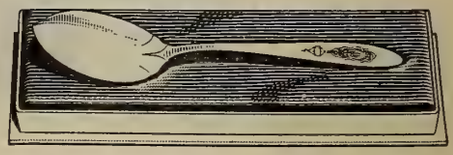
1/12 dozen in a blue velvet box.



Coffee Spoons. List per dozen 10.80

Length, 4½ inches; for small cup service (demmi tasse).

1/2 dozen in a blue velvet box.

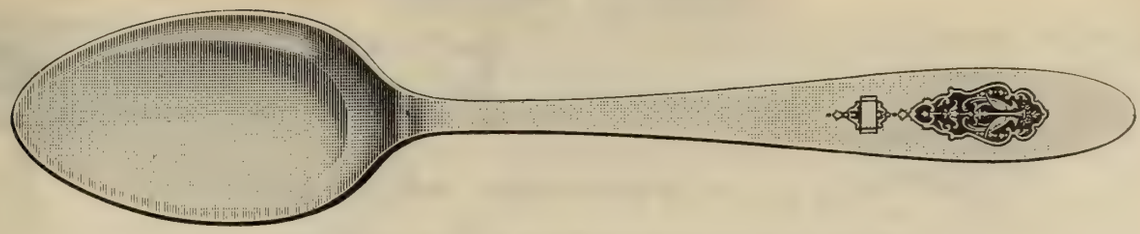


Jelly Servers. List per dozen 32.70

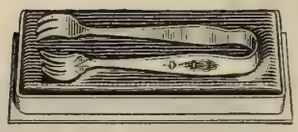
For serving jelly, honey, cheese, etc., length, 5¾ inches.

1/12 dozen in a blue velvet box.

COMMUNITY SILVERPLATE



BIRD OF PARADISE PATTERN



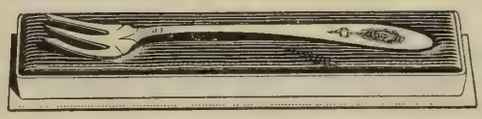
Sugar Tongs. List per dozen 38.20

For serving lump sugar; length, 3½ inches.
1/12 dozen in a blue velvet box.

Gravy Ladles. List per dozen 49.00

For deep dish serving of gravy, preserved fruits, sauces, etc., length, 6¾ inches.

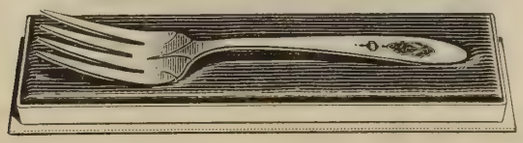
1/12 dozen in a blue velvet box.



Pickle Forks. List per dozen 29.80

For serving pickles, olives, etc.; length, 6⅜ inches.

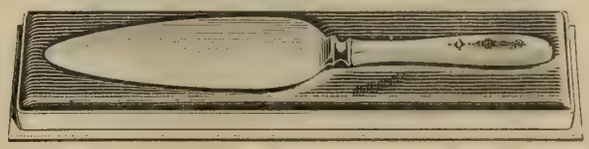
1/12 dozen in a blue velvet box.



Small Cold Meat Forks. List per dozen 33.60

Length, 6⅛ inches; used for serving sliced fowl, cold meats; sardines, etc.

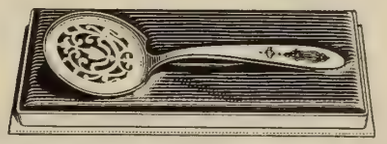
1/12 dozen in a blue velvet box.



Pie Servers. List per dozen 76.40

Hollow Handle; for serving pie, brick ice cream, cake, etc.; length, 10½ inches.

1/12 dozen in a blue velvet box.



Tomato Servers. List per dozen 56.70

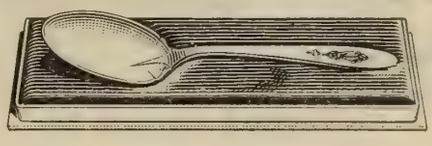
For serving tomatoes, pineapples, cucumbers, poached or fried eggs, fritters, waffles, fish cakes, croquettes, etc.; length, 7⅝ inches.

1/12 dozen in a blue velvet box.

Cream Ladles. List per dozen 39.60

For serving salad dressing, whipped cream, and pudding sauces; length, 5⅜ inches.

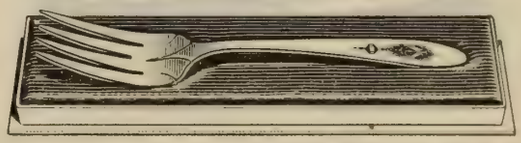
1/12 dozen in a blue velvet box.



Sugar Shells. List per dozen 24.50

Desirable for sugar, jam, marmalade, etc.; length, 5⅞ ins.

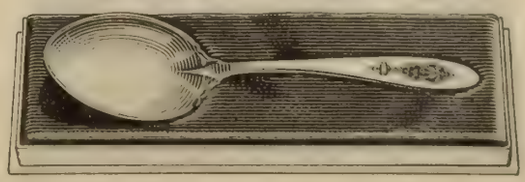
1/12 dozen in a blue velvet box.



Large Cold Meat Forks. List per dozen 42.00

For serving sliced fowl, cold meat, fish, asparagus, macaroni, spaghetti, also used with berry spoon for salad serving; length, 8⅜ inches.

1/12 dozen in a blue velvet box.

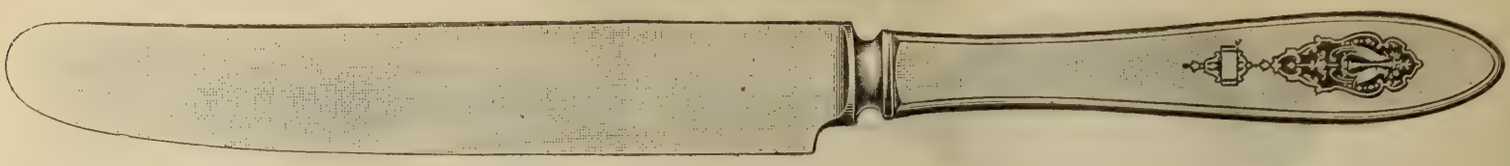


Berry Spoons. List per dozen 57.60

Bright bowl; for serving from casserole or baking dish; also used with the cold meat fork for salad serving; length, 9⅛ inches.

1/12 dozen in a blue velvet box.

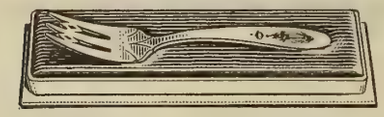
COMMUNITY SILVERPLATE



BIRD OF PARADISE PATTERN

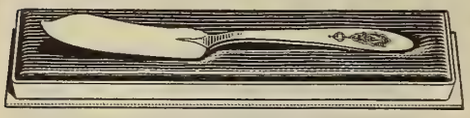
Dessert Forks. List per dozen 21.00

Flat Handle; length, 7 inches.
1/2 dozen in a plain box.



Cake Forks. List per dozen 49.00

For serving cake; also used with cake or bread knife; length, 8⅜ inches.
1/12 dozen in a blue velvet box.

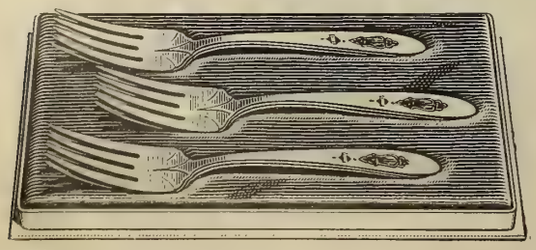


Small Butter Knives. List per dozen 24.50

Length, 6¼ inches; for butter service.
1/12 dozen in a blue velvet box.

Large Butter Knives. List per dozen 24.50

Length, 7⅞ inches; for butter service.
1/12 dozen in a blue velvet box.

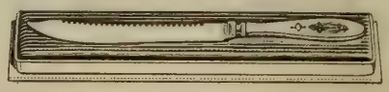


Individual Salad Forks. List per dozen 20.40

Length, 6⅛ inches; for serving salad, French pastry, etc.
1/2 dozen in a blue velvet box.

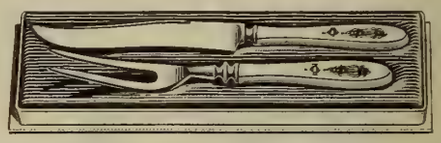
Table Forks. List per dozen 21.60

Flat Handle; length, 7½ inches.
1/2 dozen in a plain box.



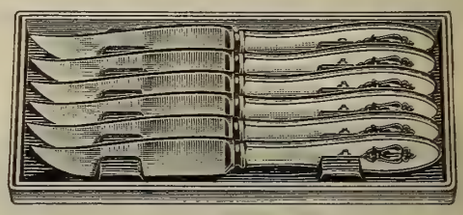
Bread Knives. List per dozen 76.40

Hollow Handle; serrated back; for cake or bread; plated blade; length, 11⅜ inches.
1/12 dozen in a blue velvet box.



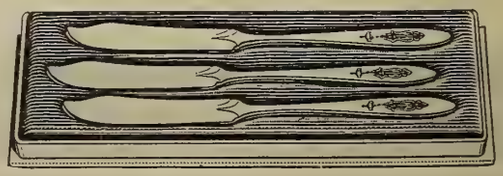
Small 2-Piece Carving Set. List per set 14.00

Hollow Handles; for steak, fowl or breakfast service; length of knife, 10 inches.
1 pair in a blue velvet box.



Fruit Knives. List per dozen 23.00

Modeled Handle; stainless blade, 3¼ inches long; length over all; 6½ inches.
1/2 dozen racked in a plain box.

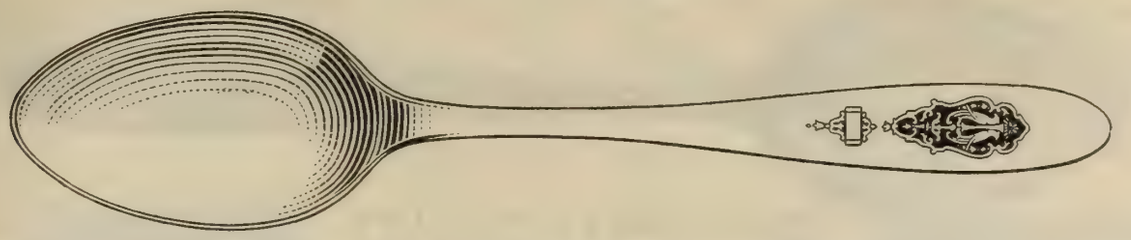


Individual Butters Spreaders. List per dozen 19.10

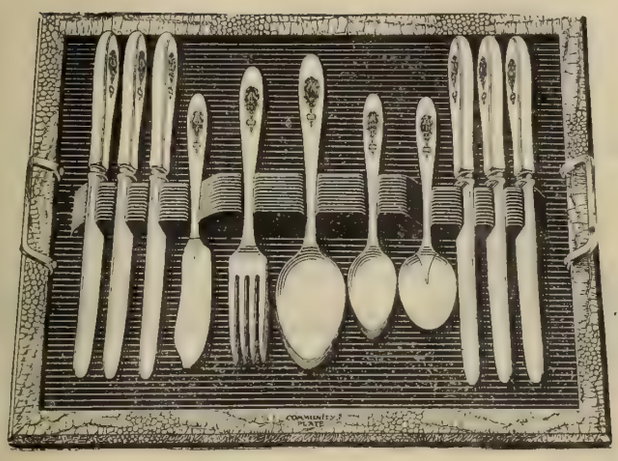
Flat pattern; used with individual bread and butter plates; length, 6¾ inches.
1/2 dozen in a blue velvet box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

COMMUNITY SILVERPLATE



BIRD OF PARADISE PATTERN



Petit Buffet Tray. List each 47.70

26 Pieces; Tray Free.

6 Hollow Handle Dinner Knives. 6 Flat Dinner Forks.
6 Tea Spoons. 6 Dessert Spoons.
1 Butter Knife. 1 Sugar Spoon.

The tray, which is supplied free with each order for the above pieces, makes an invaluable store fixture and is particularly effective for gift sales; attractively made with blue velvet lining and beautifully fashioned handles, it is an extra inducement for your customers to purchase a set instead of the probable half dozen originally in mind.

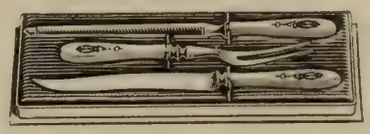
MODELED HANDLE KNIVES

Dessert. List per dozen 24.00

Plated blades; length, 8½ inches.

Table. List per dozen 24.50

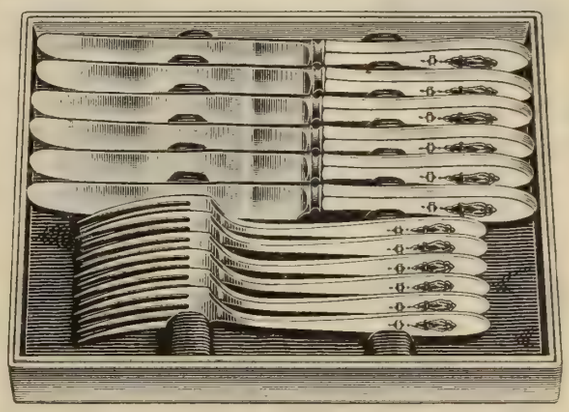
Plated blades; length, 9½ inches.
1/2 dozen in a racked box.



Small 3-Piece Carving Set. List each 23.00

Knife, fork and steel; hollow handles; stainless blade; for fowl or small roasts; length of knife, 11¼ inches.

1 set in a blue velvet box.



KNIVES AND FORKS IN SETS

Dessert. List per set 22.50

Table. List per set 23.10

Modeled Handle Knives and Flat Forks.

Each set consists of 6 Knives and 6 Forks neatly racked in a lined box making an excellent combination set; the knife blades are plated.

1 set in a box.

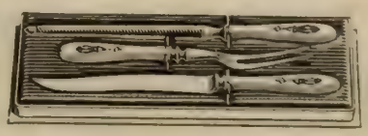
HOLLOW HANDLE STAINLESS KNIVES

Dessert. List per dozen 39.60

Stainless steel blade; length, 8¾ inches.

Table. List per dozen 40.60

Stainless steel blade; length, 9¾ inches.
1/2 dozen in a racked box.

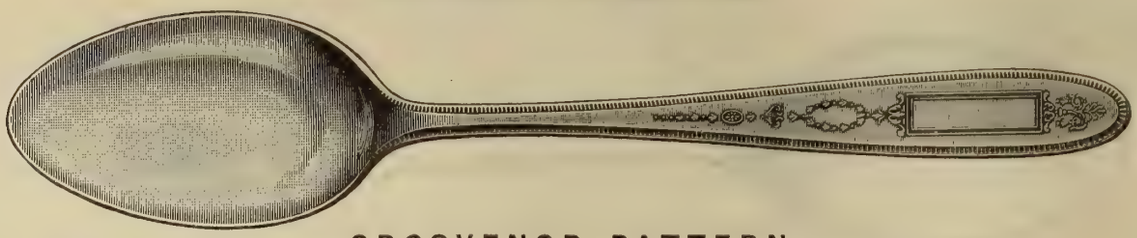


Large 3-Piece Carving Set. List each 27.40

Knife, fork and steel; Hollow Handles; stainless blade; for large roasts, turkeys, etc.; length of knife, 15 inches.

1 set in a blue velvet box.

COMMUNITY SILVERPLATE



GROSVENOR PATTERN

Created in the finer mood of those great masters of the Period design—The Brothers Adam—fresh, spirited and charming interpretation of the vogue for rich simplicity.

5 O'clock Tea Spoons. List per dozen 10.80

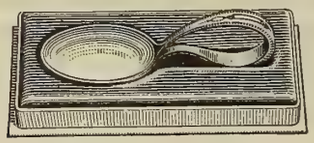
Length, 5 inches; for tea, sherbet, ices, sundaes, etc.
1/2 dozen in a plain box.

Dessert Spoons. List per dozen 21.00

Length, 7⅛ inches; packed ½ dozen in a plain box.

Table Spoons. List per dozen 21.60

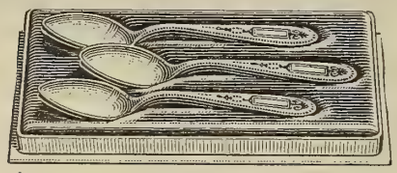
Length, 8⅛ inches; packed ½ dozen in a plain box.



Baby Spoons. List per dozen 19.00

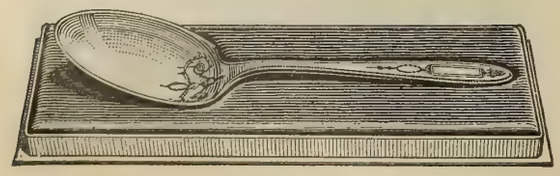
Curved Handle; specially designed to meet the requirements of bread and milk and cereal foods; length, 3½ inches.

1/12 dozen in a blue velvet box.



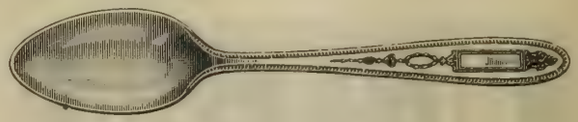
Coffee Spoons. List per dozen 10.80

For small cup service (demmi tasse); length, 4½ inches.
1/2 dozen in a blue velvet box.



Preserve Spoons. List per dozen 45.90

For serving from casserole or baking dishes; also used with the cold meat fork for salad serving; length, 7¾ ins.
1/12 dozen in a blue velvet box.

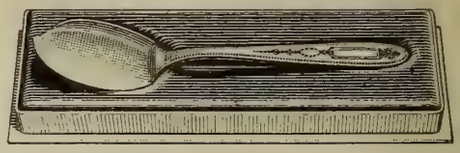


Tea Spoons, Regular. List per dozen 10.80

Length, 6 inches; packed 1/2 dozen in a plain box.

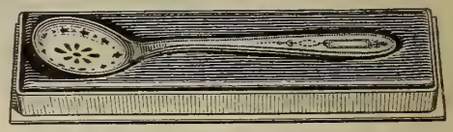
Soup Spoons. List per dozen 10.80

Round Bowl; length, 7⅛ inches.
Packed 1/2 dozen in a plain box.



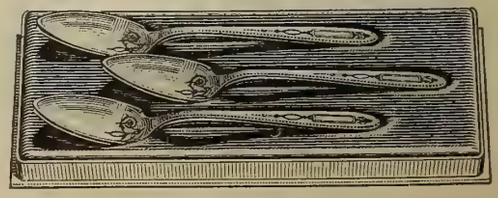
Jelly Servers. List per dozen 32.70

For serving jelly, cheese, honey, etc.; length, 5¾ inches; weight, 4 ounces.
1/12 dozen in a blue velvet box.



Olive Spoons. List per dozen 30.80

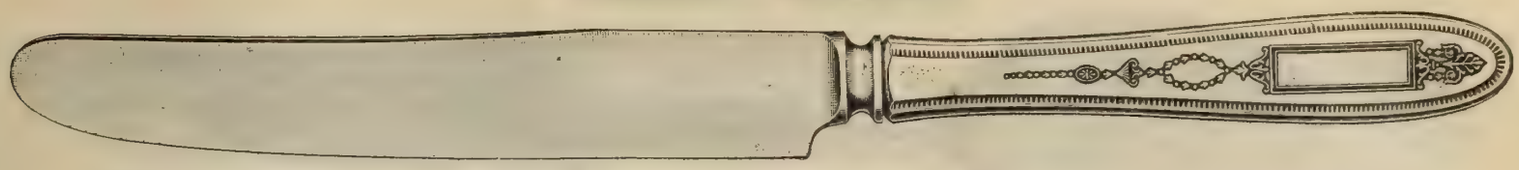
For serving olives, pickles, salted nuts, etc.; length, 5¾ inches.
1/12 dozen in a blue velvet box.



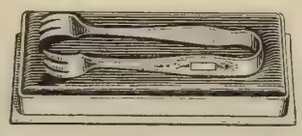
Orange Spoons. List per dozen 17.80

For oranges, grapefruits, melons, etc.; length, 5⅜ inches.
1/2 dozen in a blue velvet box.

COMMUNITY SILVERPLATE

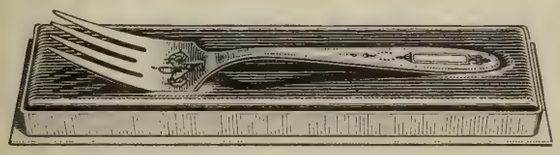


GROSVENOR PATTERN



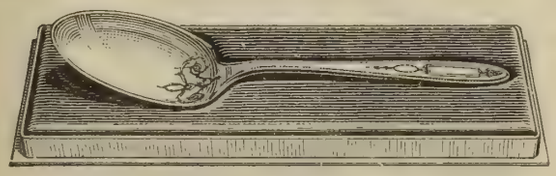
Sugar Tongs. List per dozen 38.20

For serving lump sugar; length, 3½ inches.
1/12 dozen in a blue velvet box.



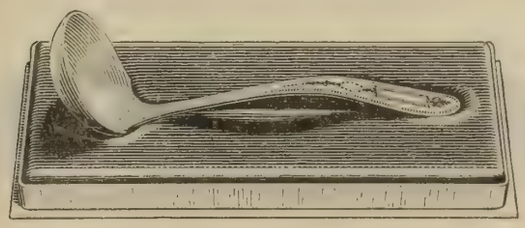
Small Cold Meat Forks. List per dozen 33.60

For serving sliced fowl, cold meat, sardines, etc.; length, 6⅛ inches; weight, 3 ounces.
1/12 dozen in a blue velvet box.



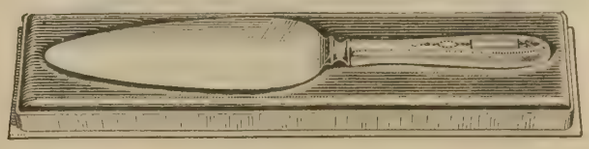
Berry Spoons. List per dozen 57.60

Bright Bowl; for serving from casserole or baking dish; also used with the cold meat fork for salad serving; length, 9⅛ inches; weight, 10 ounces.
1/12 dozen in a blue velvet box.



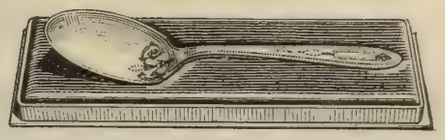
Gravy Ladles. List per dozen 49.00

For deep dish serving of gravy; preserved fruits, sauces, etc.; length, 6¾ inches; weight, 7 ounces.
1/12 dozen in a blue velvet box.



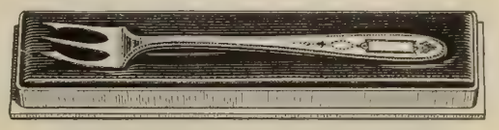
Pie Servers. List per dozen 76.40

Hollow Handle; for serving pie, brick ice cream, cake, etc.; length, 10½ inches; weight, 8 ounces.
1/12 dozen in a blue velvet box.



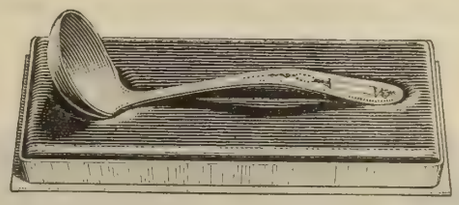
Sugar Shells. List per dozen 24.50

Desirable for sugar, jam, marmalade, etc.; length, 5⅞ inches; weight, 4 ounces.
1/12 dozen in a blue velvet box.



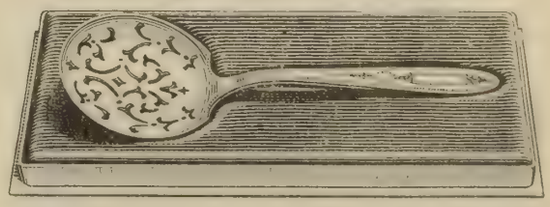
Pickle Forks. List per dozen 29.80

For serving pickles, olives, relishes, etc.; length, 6⅜ inches; weight, 3 ounces.
1/12 dozen in a blue velvet box.



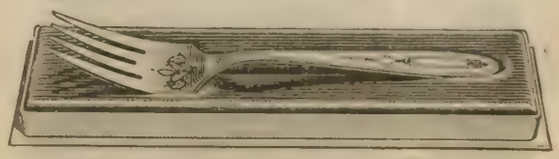
Cream Ladles. List per dozen 39.60

For serving salad dressing, whipped cream and pudding sauces; length, 5⅜ inches; weight, 4 ounces.
1/12 dozen in a blue velvet box.



Tomato Servers. List per dozen 56.70

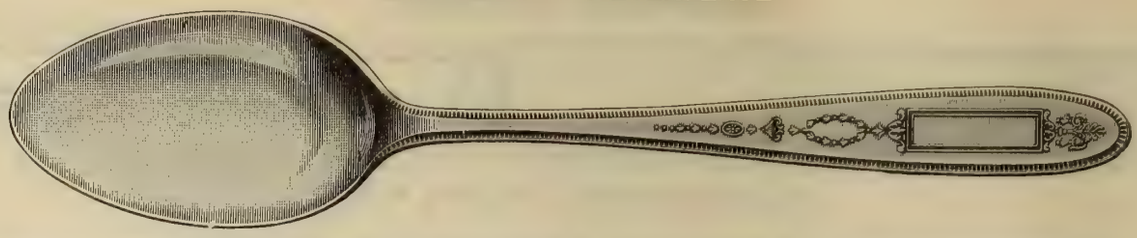
For serving tomatoes, pineapples, cucumbers, poached or fried eggs, fritters, waffles, fish cakes, croquettes, etc.; length, 7⅝ inches; weight, 5 ounces.
1/12 dozen in a blue velvet box.



Cold Meat Forks. List per dozen 42.00

For serving sliced fowl, cold meat, fish, asparagus, macaroni and spaghetti; also used with the berry spoon for salad serving; length, 8⅜ inches; weight, 6 ounces.
1/12 dozen in a blue velvet box.

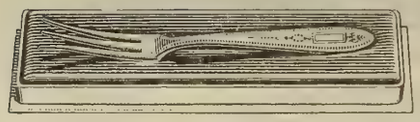
COMMUNITY SILVERPLATE



GROSVENOR PATTERN

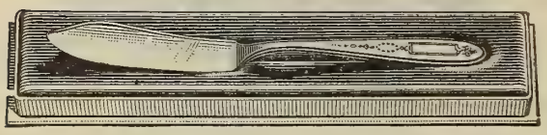
Dessert Forks. List per dozen 21.00

Flat Handle; length, 7 inches.
1/2 dozen in a plain box.



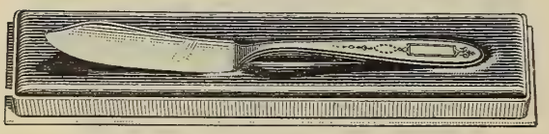
Lemon Forks. List per dozen 19.00

For afternoon tea service, for relishes, etc.; length, 5⅜ inches.
1/12 dozen in a blue velvet box.



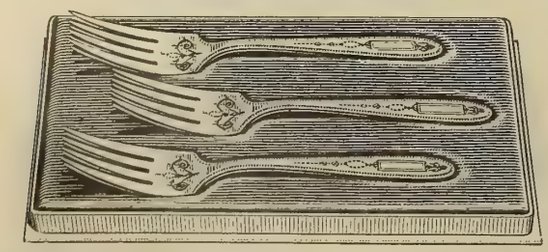
Small Butter Knives. List per dozen 24.50

Length, 6¼ inches; for butter service.
1/12 dozen in a blue velvet box.



Large Butter Knives. List per dozen 24.50

Length, 7⅞ inches; for butter service.
1/12 dozen in a blue velvet box.

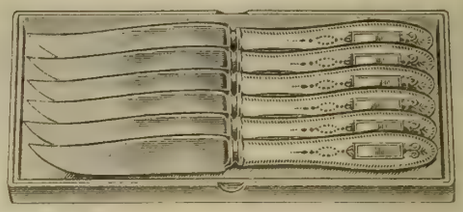


Individual Salad Forks. List per dozen 20.40

For salad, French pastry, etc.; length, 6⅛ inches.
1/2 dozen in a blue velvet box.

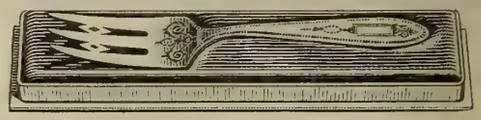
Table Forks. List per dozen 21.60

Flat Handle; length, 7½ inches.
1/2 dozen in a plain box.



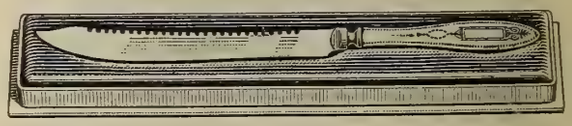
Fruit Knives. List per dozen 23.00

Modeled Handle; stainless blade, 3¼ inches long; length over all, 6½ inches.
1/2 dozen in a plain box.



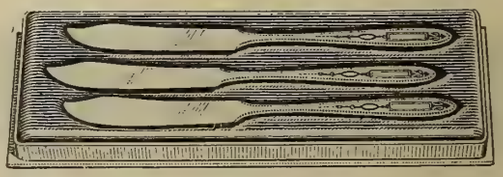
Cake Forks. List per dozen 49.00

For serving cake, also used with cake or bread knife; length, 8⅜ inches.
1/12 dozen in a blue velvet box.



Bread Knives. List per dozen 76.40

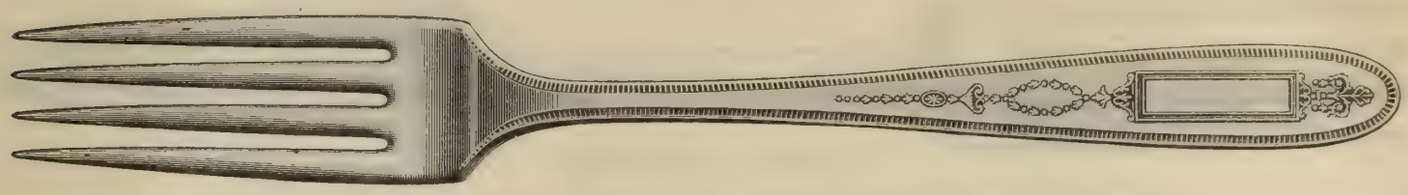
Hollow Handle; cake or bread knife with serrated back; plated blade; length, 11⅝ inches.
1/12 dozen in a blue velvet box.



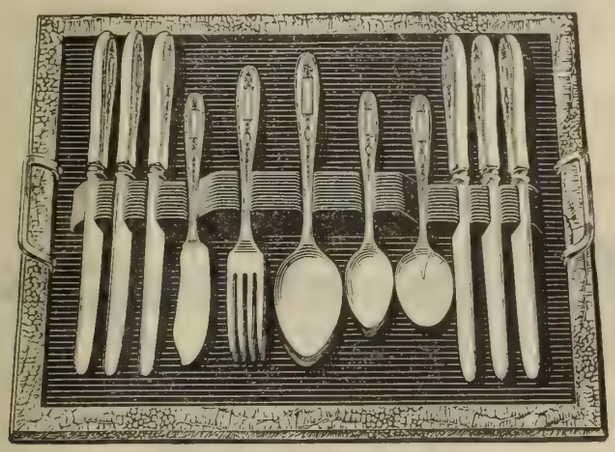
Individual Butter Spreaders. List per dozen 19.10

Used with individual bread and butter plates; length, 6¾ inches.
1/2 dozen in a blue velvet box.

COMMUNITY SILVERPLATE



GROSVENOR PATTERN



Petit Buffet Tray. List each 47.70

26 Pieces; Tray Free.

6 Hollow Handle Dinner Knives. 6 Flat Dinner Forks.
6 Tea Spoons. 6 Dessert Spoons.
1 Butter Knife. 1 Sugar Spoon.

The tray, which is supplied free with each order for the above pieces, makes an invaluable store fixture and is particularly effective for gift sales; attractively made with blue velvet lining and beautifully fashioned handles, it is an extra inducement for your customers to purchase a set instead of the probable half dozen originally in mind.

MODELED HANDLE KNIVES

Dessert. List per dozen 24.00

Plated blade; length, 8½ inches.

Table. List per dozen 24.50

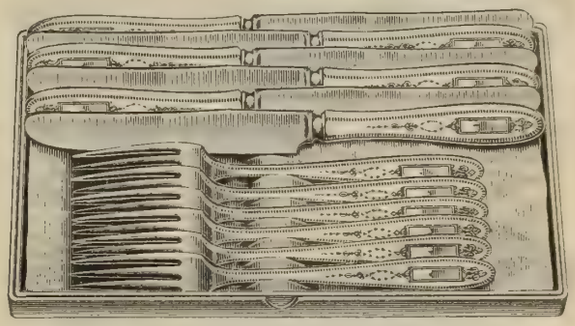
Plated blade; length, 9½ inches.
1/2 dozen in a racked box.

HOLLOW HANDLE KNIVES

Dessert, Plated Blade. List per dozen 34.40

Dessert, Stainless Blade. List per dozen 39.60
Length, 8¾ inches.

Table, Stainless Blade. List per dozen 40.60
Length, 9¾ inches.
1/2 dozen in a racked box.



KNIVES AND FORKS IN SETS

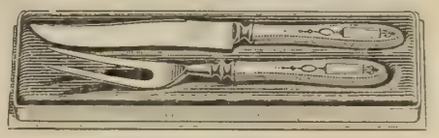
Dessert. List per dozen 22.50

Table. List per dozen 23.10

Modeled Handle Knives and Flat Forks.

Each set consists of 6 knives with plated blades, and 6 forks; neatly racked in a lined box, making an excellent combination set.

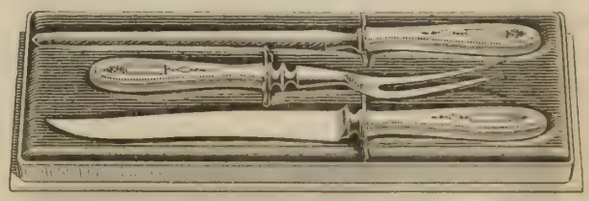
1 set in a box.



Small 2-Piece Carving Set. List per pair 14.00

Knife and fork, hollow handle; stainless blade; for steak, fowl or breakfast service; length of knife, 10 inches; weight, 11 ounces.

1 pair in a blue velvet box.



Small 3-Piece Carving Set. List per set 23.00

Knife, Fork and Steel; Hollow Handles; stainless blade; for fowl or small roasts; length of knife, 11¼ inches; weight, 14 ounces.

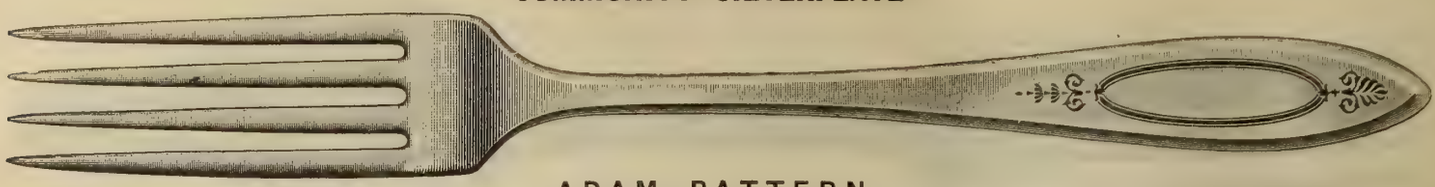
1 set in a blue velvet box.

Large 3-Piece Carving Set. List per set 27.40

Knife, Fork and Steel; Hollow Handles; stainless blade; for large roasts, turkey, etc.; length of knife, 15 inches; weight, 1 pound.

1 set in a blue velvet box.

COMMUNITY SILVERPLATE



ADAM PATTERN

An exquisite design with a bright finish; simple in design; popular in demand.

5 O'clock Tea Spoons. List per dozen 10.80

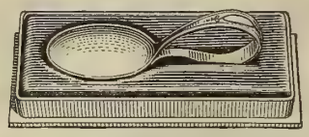
Length, 5 inches; for tea, sherbet, ices, sundaes, etc.
1/2 dozen in a plain box.

Dessert Spoons. List per dozen 21.00

Length, 7⅛ inches; 1/2 dozen in a plain box.

Table Spoons. List per dozen 21.60

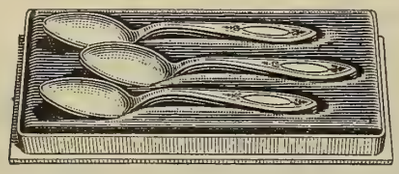
Length, 8⅛ inches; 1/2 dozen in a plain box.



Baby Spoons. List per dozen 19.00

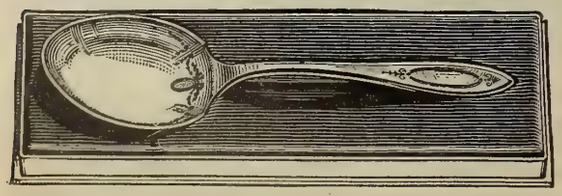
Curved Handle; specially designed to meet the requirements of bread and milk, and cereal foods; length, 3½ inches.

1/12 dozen in a plain box.



Coffee Spoons. List per dozen 10.80

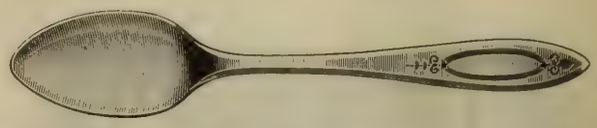
For small cup service (demmi tasse); length, 4½ inches.
1/2 dozen in a blue velvet box.



Preserve Spoons. List per dozen 45.90

For serving from casserole, or baking dishes; also used with the cold meat fork for salad serving; length, 7¾ inches.

1/12 dozen in a blue velvet box.

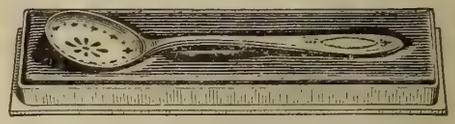


Tea Spoons, Regular. List per dozen 10.80

Length, 6 inches; 1/2 dozen in a plain box.

Soup Spoons. List per dozen 21.60

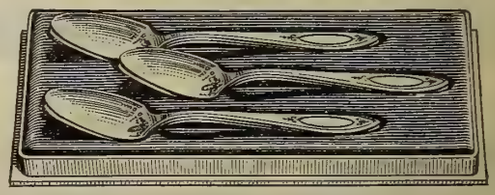
Round Bowl; length, 7⅛ inches.
1/2 dozen in a plain box.



Olive Spoons. List per dozen 30.80

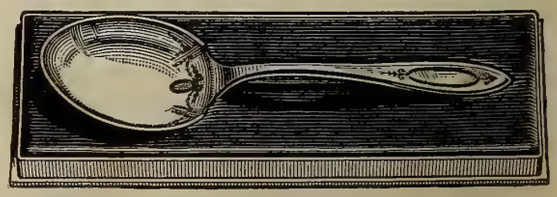
For serving olives, pickles, salted nuts, etc.; length, 5¾ inches.

1/12 dozen in a blue velvet box.



Orange Spoons. List per dozen 17.80

For oranges, grapefruits, melons, etc.; length, 5 3/16 ins.
1/2 dozen in a blue velvet box.



Berry Spoons—

Bright Bowl. List per dozen 57.60

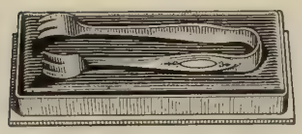
Gilt Bowl. List per dozen 72.00

For serving from casserole or baking dishes; also used with the cold meat fork for salad serving; length, 9⅛ inches.

1/12 dozen in a blue velvet box.

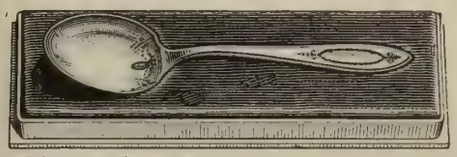
COMMUNITY SILVERPLATE

ADAM PATTERN



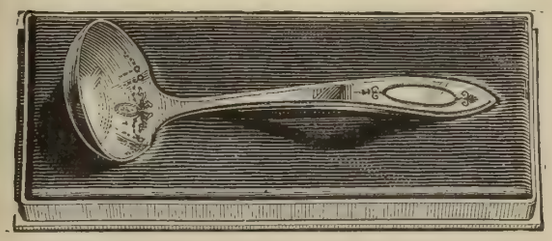
Sugar Tongs. List per dozen 38.20

For serving lump sugar; length, 3½ inches; weight, 2 oz.
1/12 dozen in a blue velvet box.



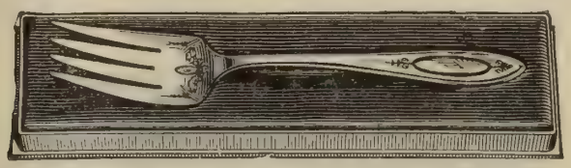
Sugar Spoons. List per dozen 24.50

Desirable for sugar, jam, marmalade, etc.; length, 5⅞ inches; weight 4 ounces.
1/12 dozen in a blue velvet box.



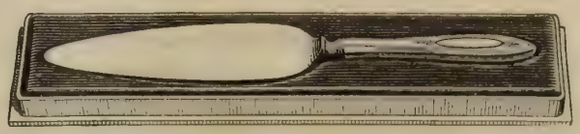
Gravy Ladles. List per dozen 49.00

For deep dish serving of gravy, preserved fruits, sauces, etc.; length, 6¾ inches; weight, 7 ounces.
1/12 dozen in a blue velvet box.



Small Cold Meat Fork. List per dozen 33.60

For serving sliced fowl, cold meat, sardines, etc.; length, 6⅛ inches; weight, 3 ounces.
1/12 dozen in a blue velvet box.

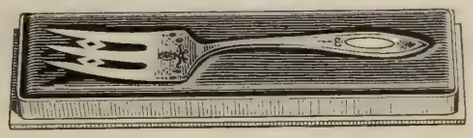


Pie Servers. List per dozen 76.40

For serving pie, brick ice cream, cake, etc.; length, 10½ inches; weight, 8 ounces.
1/12 dozen in a blue velvet box.

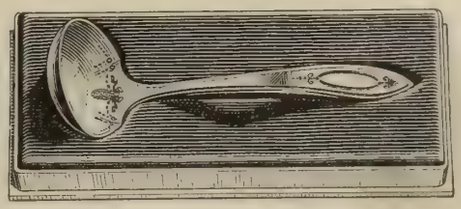
Jelly Servers. List per dozen 32.70

For serving jelly, cheese, honey, etc.; length, 5¾ inches; weight, 4 ounces.
1/12 dozen in a blue velvet box.



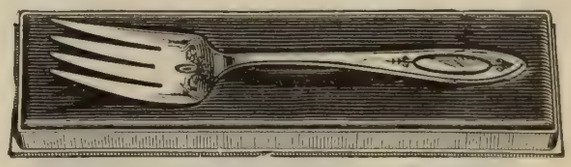
Cake Fork. List per dozen 49.00

For serving cake, also used with cake or bread knife; length, 8⅜ inches; weight, 6 ounces.
1/12 dozen in a blue velvet box.



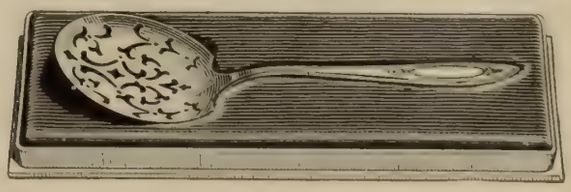
Cream Ladle. List per dozen 39.60

For serving salad dressing, whipped cream and pudding sauces; length, 5⅜ inches; weight, 4 ounces.
1/12 dozen in a blue velvet box.



Cold Meat Fork. List per dozen 42.00

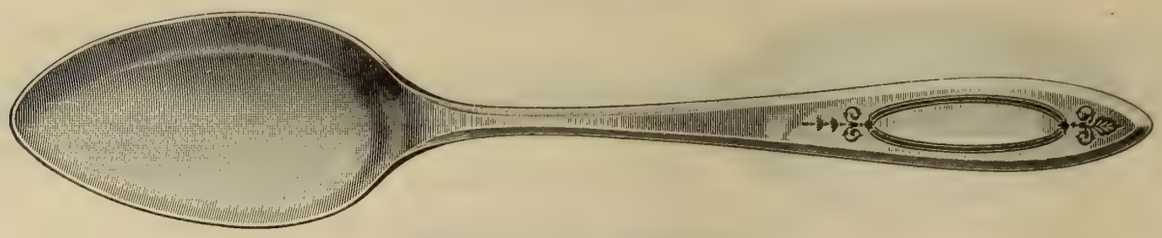
For serving sliced fowl, cold meat, fish, asparagus, macaroni and spaghetti; also used with the berry spoon for salad serving; length, 8⅜ inches; weight, 6 ounces.
1/12 dozen in a blue velvet box.



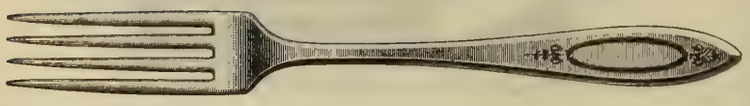
Pierced Tomato Server. List per dozen 56.70

For serving tomatoes, pineapples, cucumbers, poached or fried eggs, fritters, waffles, fish cakes, croquettes, etc.; length, 7⅝ inches; weight, 5 ounces.
1/12 dozen in a blue velvet box.

COMMUNITY SILVERPLATE



ADAM PATTERN



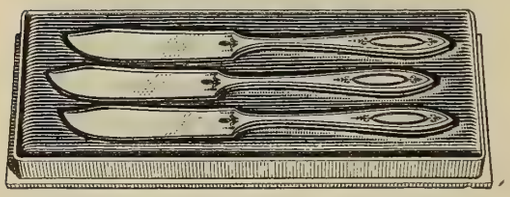
Dessert Forks. List per dozen 21.00
Flat Handle; length, 7 inches; weight of package, 12 oz.

1/2 dozen in a plain box.

Pickle Fork. List per dozen 29.80

For serving pickles, olives, relishes, etc.; length, 6⅜ inches; weight, 3 ounces.

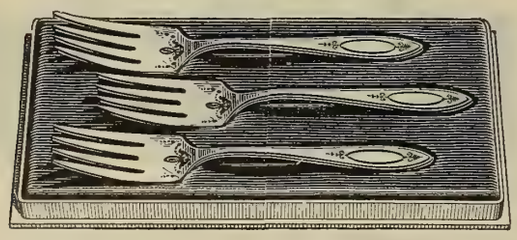
1/12 dozen in a blue velvet box.



Butter Spreaders. List per dozen 19.10

Used with individual bread and butter plates; length, 6¾ inches; weight, 15 ounces.

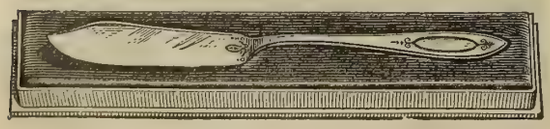
1/2 dozen in a blue velvet box.



Individual Salad Forks. List per dozen 20.40

For salad, French pastry, etc.; length, 6⅝ inches; weight 12 ounces.

1/12 dozen in a blue velvet box.



Small Butter Knife. List per dozen 24.50

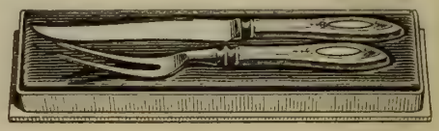
Length, 6¼ inches; weight, 2½ ounces.

1/12 dozen in a blue velvet box.

Medium Forks. List per dozen 21.60

Flat Handle; length, 7½ inches; weight of package, 15 oz.

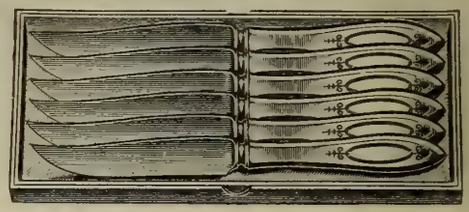
1/2 dozen in a plain box.



Small 2-Piece Carving Set. List each 14.00

Knife and Fork; hollow handle; stainless blade; for steak, fowl or breakfast service; length of knife, 10 inches.

1 set in a blue velvet box.



Fruit Knives. List per dozen 23.00

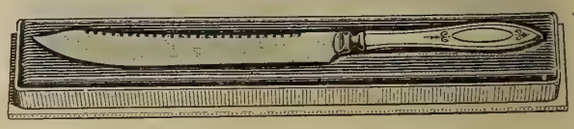
Modeled Handle; stainless blade, 3¼ inches long; length over all, 6½ inches; weight per box, 10 ounces.

1/2 dozen in a racked box.

Large Butter Knives. List per dozen 24.50

Length, 7½ inches; weight, 4 ounces.

1/12 dozen in a blue velvet box.



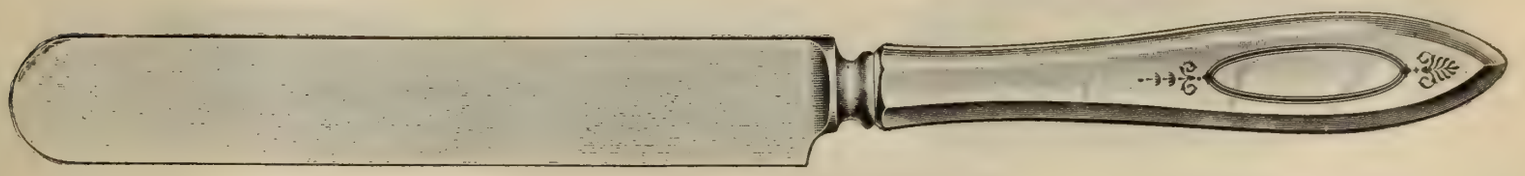
Bread Knives. List per dozen 76.40

Hollow Handle; cake or bread knife with serrated back; plated blade; weight, 11⅜ inches; weight, 7 ounces.

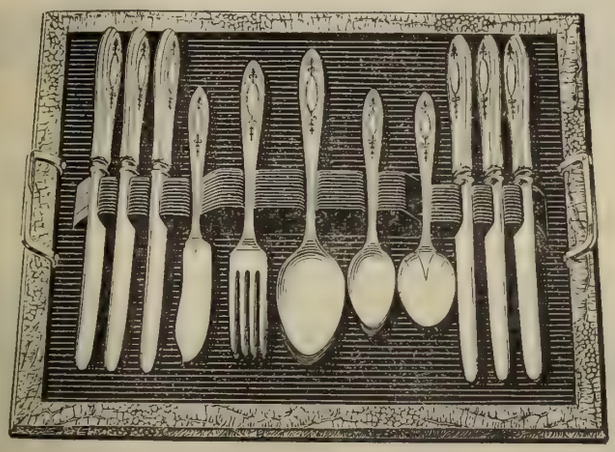
1/12 dozen in a blue velvet box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

COMMUNITY SILVERPLATE



ADAM PATTERN



Petit Buffet Tray. List each 47.70

26 Pieces; Tray Free.

6 Hollow Handle Dinner Knives. 6 Flat Dinner Forks.
6 Tea Spoons. 6 Dessert Spoons.
1 Butter Knife. 1 Sugar Spoon.

The tray, which is supplied free with each order for the above pieces, makes an invaluable store fixture and is particularly effective for gift sales; attractively made with blue velvet lining and beautifully fashioned handles, it is an extra inducement for your customers to purchase a set instead of the probable half dozen originally in mind.

MODELED HANDLE KNIVES

Dessert. List per dozen 24.00

Plated blade; length, 8½ inches.

Table. List per dozen 24.50

Plated blade; length, 9½ inches.
1/2 dozen in a racked box.

HOLLOW HANDLE KNIVES

Dessert, Plated Blade. List per dozen 34.40

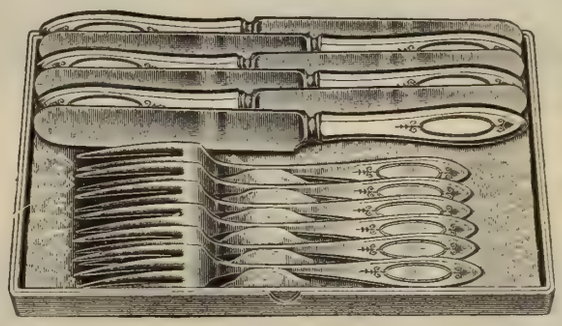
Dessert, Stainless Blade. List per dozen 39.60

Length, 8¾ inches.

Table, Plated Blade. List per dozen 35.70

Table, Stainless Blade. List per dozen 40.60

Length, 9¾ inches.
1/2 dozen in a racked box.



KNIVES AND FORKS IN SETS

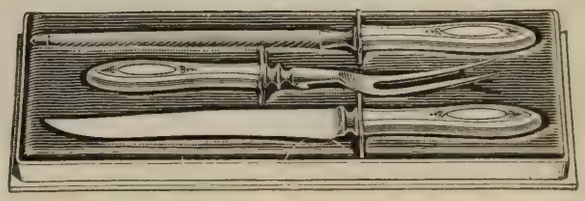
Dessert. List per dozen 22.50

Table. List per dozen 23.10

Modeled Handle Knives and Flat Forks.

Each set consists of 6 Knives with plated blades, and 6 Forks; neatly racked in a lined box; making an excellent combination set.

1 set in a box.



Small 3-Piece Carving Set. List each 23.00

Knife, Fork and Steel; Hollow Handles; stainless blade; for fowl or small roasts; length of knife, 11¼ inches.

1 set in a blue velvet box.

Large 3-Piece Carving Set. List each 27.40

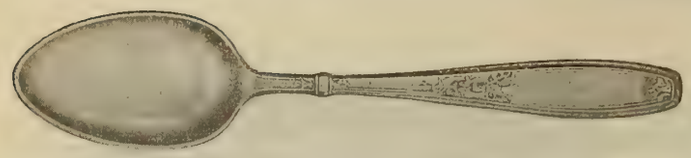
Knife, Fork and Steel; Hollow Handles; stainless blade; for large roasts, turkeys, etc.; length of knife, 15 inches.

1 set in a blue velvet box.

1847 ROGERS BROS. SILVERPLATE

AMBASSADOR PATTERN

A Worthy Representative of a Distinguished Line; Platinum Finish Handles.

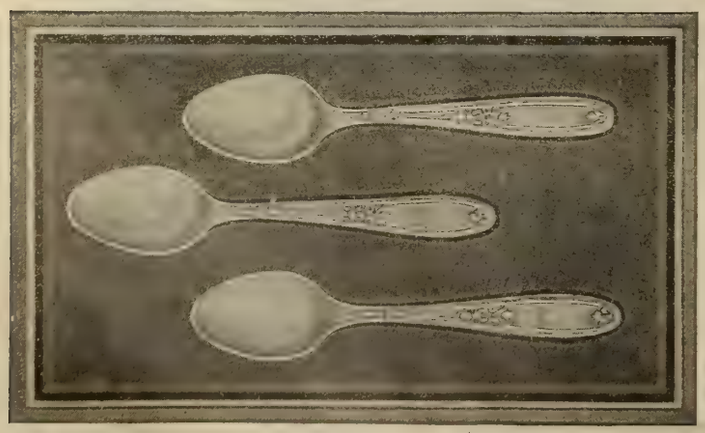


Tea Spoons, Small. List per dozen 9.30
Length, 5¼ inches; weight per box, 7 oz.

Tea Spoons, Regular. List per dozen 9.30
Length, 5⅜ inches; weight per box, 9 oz.
1/2 dozen in a plain box.

Soup Spoons. List per dozen 18.60
Round bowl; length, 7 inches; weight per box, 12½ oz.
1/2 dozen in a plain box.

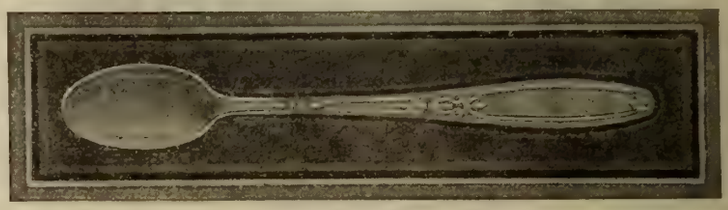
Sugar Shells. List per dozen 20.10
Length, 6 inches; weight each, 5 oz.
1/12 dozen in a blue velvet box.



Coffee Spoons. List per dozen 9.30
Length, 4⅜ inches; weight per box, 7½ oz.
1/2 dozen in a blue velvet box.

Dessert Spoons. List per dozen 16.60
Length, 7 inches; weight per box, 13 oz.

Table Spoons. List per dozen 18.60
Length, 8⅛ inches; weight per box, 18 oz.
1/2 dozen in a plain box.

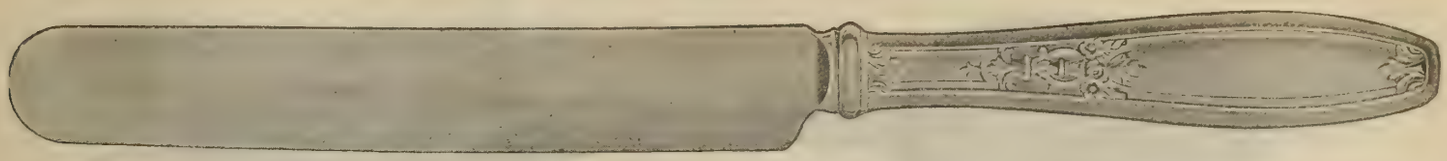


Olive Spoons. List per dozen 23.30
Length, 6⅛ inches; weight each, 3½ oz.
1/12 dozen in a blue velvet box.

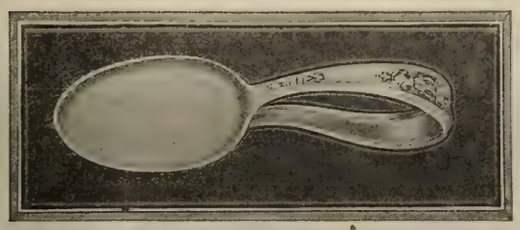
Berry Spoons. List per dozen 43.00
Or Salad Spoon; bright bowl; length, 9¼ inches; weight each, 11 oz.
1/12 dozen in a blue velvet box.

Orange Spoons. List per dozen 11.80
Length, 5⅞ inches; weight per box, 13 oz.
1/2 dozen in a blue velvet box.

1847 ROGERS BROS. SILVERPLATE



AMBASSADOR PATTERN



Baby Spoons. List per dozen 14.80

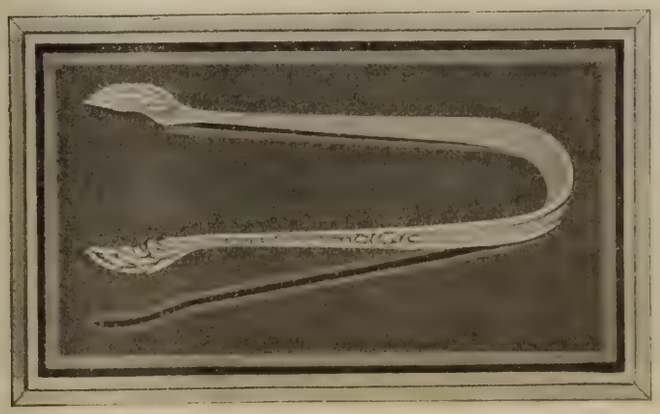
Curved Handle; length, 3½ inches; weight each, 3 oz.
1/12 dozen in a blue velvet box.

Cream Ladles. List per dozen 26.50

Length, 5¾ inches; weight each, 5½ ounces.
1/12 dozen in a blue velvet box.

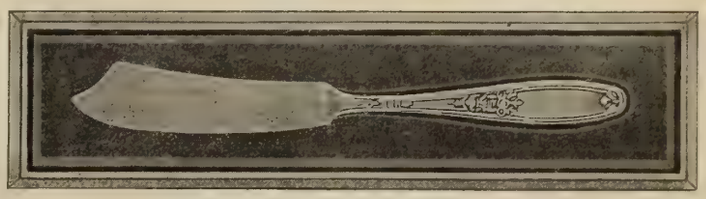
Tomato Servers. List per dozen 47.30

Length, 7½ inches; weight each, 8 ounces.
1/12 dozen in a blue velvet box.



Sugar Tongs. List per dozen 35.10

Length, 4⅜ inches; weight each, 4½ ounces.
1/12 dozen in a blue velvet box.



Butter Knives. List per dozen 22.90

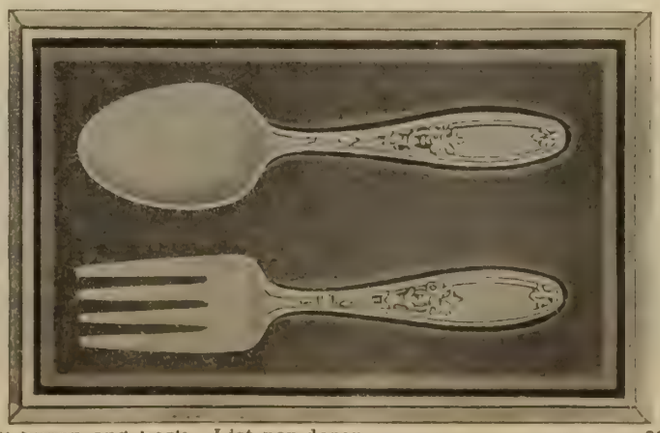
Length, 7⅛ inches; weight each, 5 ounces.
1/12 dozen in a blue velvet box.

Gravy Ladles. List per dozen 35.10

Length, 7⅛ inches; weight each, 9 ounces.
1/12 dozen in a blue velvet box.

Individual Butter Spreaders. List per dozen 15.10

Length, 6⅞ inches; weight per box, 10 ounces.
1/2 dozen in a blue velvet box.



Baby Spoon and Fork. List per dozen 30.00

Fork 4¼ inches long; spoon, 3½ inches; weight per set, 8 ounces. 1/12 dozen pairs in a blue velvet box.

1847 ROGERS BROS. SILVERPLATE

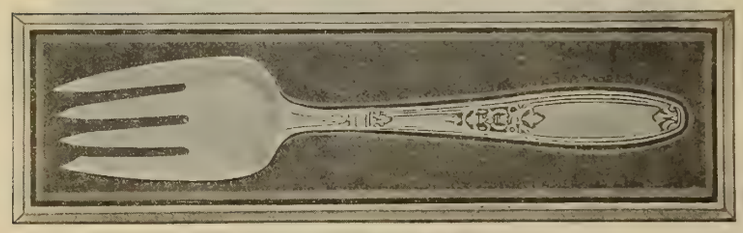
AMBASSADOR PATTERN

Dessert Forks, Flat. List per dozen 16.60

Length, 7 inches; weight per box, 12 oz.

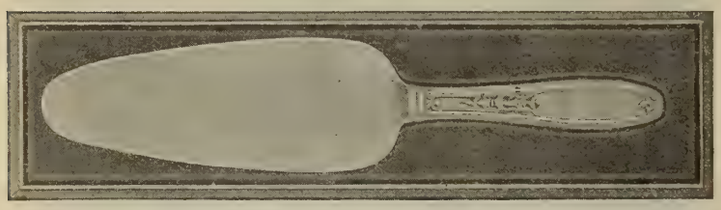
Table Forks, Flat. List per dozen 18.60

Length, 7½ inches; weight per box, 14 oz.
1/2 dozen in a plain box.



Small Cold Meat Forks. List per dozen 24.40

Length, 7⅜ inches; weight each, 7½ oz.
1/12 dozen in a blue velvet box.



Pie Servers. List per dozen 58.70

Or Ice Cream Server; Hollow Handle; length, 10⅛ ins.; weight each, 9 oz.
1/12 dozen in a blue velvet box.

Butter and Sugar Sets. List per dozen 42.30

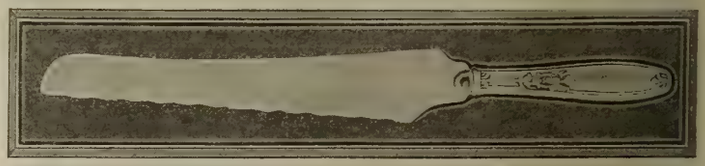
Butter Knife and Sugar Shell; weight per box, 8 oz.
1/12 dozen in a blue velvet box.

Pickle Forks. List per dozen 20.10

Short Handle; length, 6¼ inches; weight each, 3½ oz.
1/12 dozen in a blue velvet box.

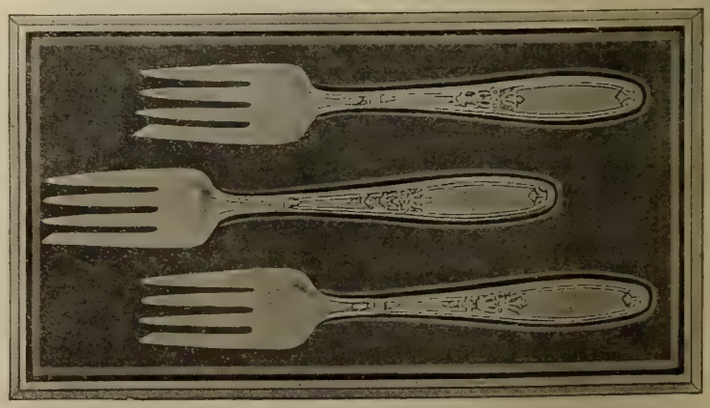
Large Cold Meat Forks. List per dozen 27.20

Length, 8½ inches; weight each, 8 oz.
1/12 dozen in a blue velvet box.



Bread Knives. List per dozen 62.30

Hollow Handle; plated blade; length, 14¾ inches; weight each, 13 oz.
1/12 dozen in a blue velvet box.



Individual Salad Forks. List per dozen 18.60

Or Pie and Pastry Forks; length, 6 inches; weight per box, 12½ oz.
1/2 dozen in a blue velvet box.

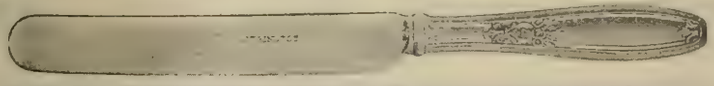
1847 ROGERS BROS. SILVERPLATE

AMBASSADOR PATTERN

HOLLOW HANDLE, PLATED BLADE KNIVES

Dessert. List per dozen 29.00

Length, 9¼ inches; weight per box, 1½ pounds.
1/2 dozen in a box.



HOLLOW HANDLE, STAINLESS BLADE KNIVES

Dessert. List per dozen 39.40
Length, 8⅞ inches; weight per box, 1½ pounds.

Table. List per dozen 42.30

Length, 10 inches; weight per box, 1⅝ pounds.
1/2 dozen in a box.

HOLLOW HANDLE, PLATED KNIVES AND FLAT FORKS

Dessert. List per set 22.90

9¼ inch knife; 7 inch flat fork; weight per set, 2¼ lbs.

Table. List per set 24.70

9⅞ inch knife, 7½ inch flat fork; weight per set, 2¾ pounds.
6 knives and 6 forks in a set; each set in a lined box.

2-Piece Game Carvers. List per pair 17.20

Hollow Handle; fork and knife with French pattern stainless blade; fork 9¼ inches long, knife 11½ inches; weight, 14½ ounces.
1 pair in a blue velvet box.

MODELED HANDLE, STAINLESS BLADE KNIVES

Table. List per dozen 21.50

Length, 9½ inches; weight per box, 1⅝ pounds.
1/2 dozen in a box.

MODELED HANDLE, PLATED BLADE KNIVES

Dessert. List per dozen 16.50

Length, 8⅜ inches; weight per box, 1⅜ pounds.

Table. List per dozen 17.20

Length, 9⅜ inches; weight per box, 1⅝ pounds.
1/2 dozen in a box.

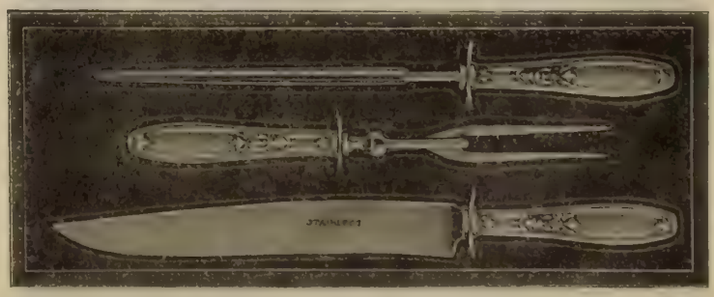
MODELED HANDLE, PLATED KNIVES AND FLAT FORKS

Desesrt. List per set 12.60

8⅜ inch knife; 7 inch flat fork; weight per set, 2 pounds.

Table. List per set 13.30

9½ inch knife; 7½ inch flat fork; weight per set, 2½ lbs.
6 knives and 6 forks in a set; each set in a lined box.



3-Piece Meat Carvers. List per set 24.00

Hollow Handle; 14¼ inch knife with French pattern stainless blade; fork 11 inches long; steel 13 inches; weight per set, 2¼ pounds.
1 set in a blue velvet box.

1847 ROGERS BROS. SILVERPLATE

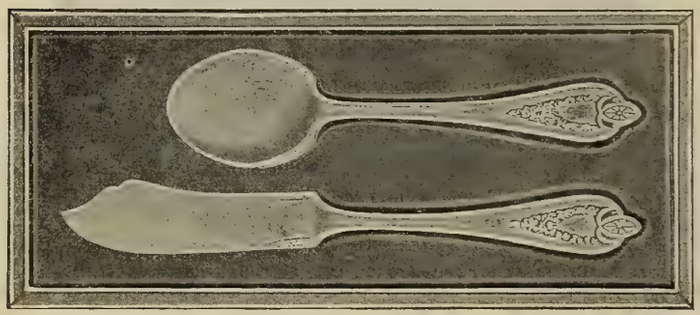
OLD COLONY PATTERN

French Grey, bright trimmed; pierced handle with Sterling effect of design; a popular pattern.

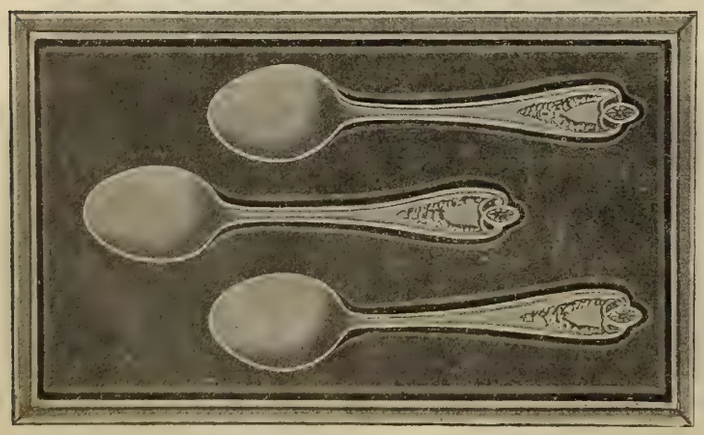
Small Tea Spoons. (5 O'clock). List per dozen 9.30
Length, 5¼ inches; weight per box, 7 ounces.

Regular Tea Spoons. List per dozen 9.30
Length, 5⅞ inches; weight per box, 9 ounces.
1/2 dozen in a plain box.

Sugar Shells. List per dozen 20.10
Bright bowl; length, 6 inches; weight each, 5 ounces.
1/12 dozen in a velvet box.



Combination Butter Knife and Sugar Shell. List per dozen ... 42.30
7⅛ inch knife; 6 inch sugar shell; weight per box, 9 oz.
1/12 dozen sets in a blue velvet box.

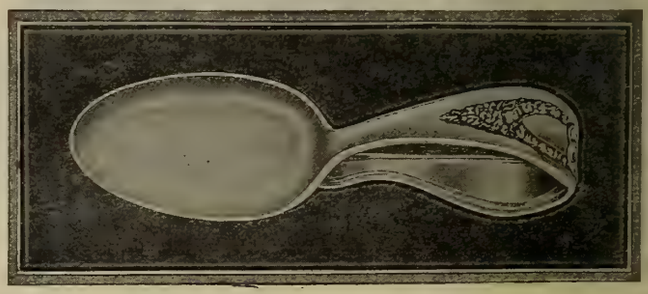


Coffee Spoons. List per dozen 9.30
Length, 4⅜ inches; weight per box, 7½ ounces.
1/2 dozen in a blue velvet box.

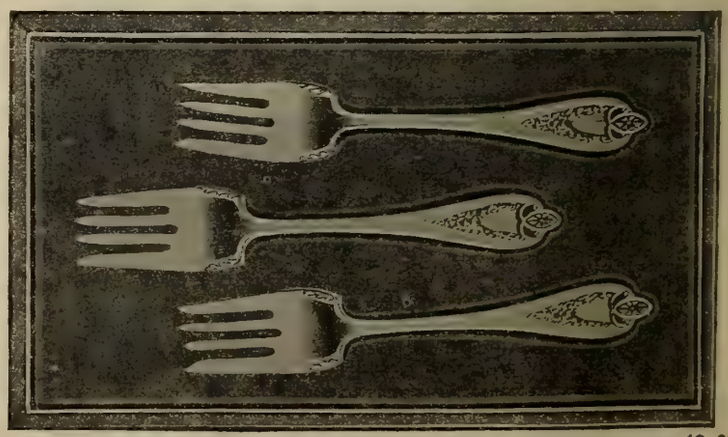
Dessert Spoons. List per dozen 16.60
Length, 7 inches; weight per box, 13 ounces.

Table Spoons. List per dozen 18.60
Length, 8¼ inches; weight per box, 18 ounces.
1/2 dozen in a plain box.

Berry Spoons—
Bright Bowl. List per dozen 43.00
Gilt Bowl. List per dozen 54.00
Or Salid Spoon; length, 9¼ inches; weight each, 11 oz.
1/12 dozen in a blue velvet box.

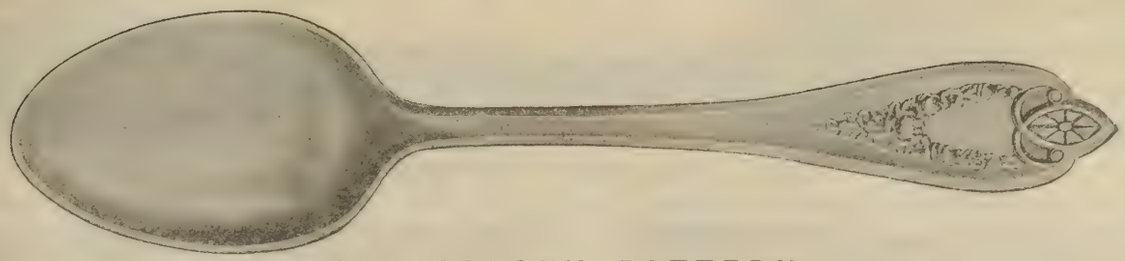


Baby Spoons. List per dozen 14.80
Curved Handle; length, 3½ inches; weight each, 3 oz.
1/12 dozen in a blue velvet box.



Individual Salad Forks. List per dozen 18.60
Also for pie or pastry; length, 6 inches; weight per box, 12½ ounces.
1/2 dozen in a blue velvet box.

1847 ROGERS BROS. SILVERPLATE



OLD COLONY PATTERN

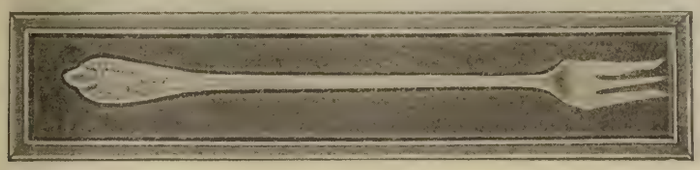
FLAT FORKS

Dessert. List per dozen 16.60
Length, 7 inches; weight per box, 12 oz.

Table. List per dozen 18.60
Length, 7½ inches; weight per box, 18 oz.
1/2 dozen in a plain box.

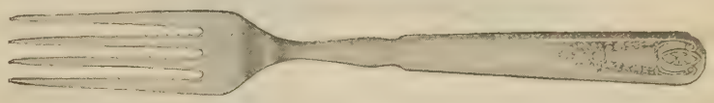
Cold Meat Forks—
Bright. List per dozen 27.20

Gilt. List per dozen 34.00
Length, 8½ inches; bright or gilt tines; weight each, 7½ oz.
1/12 dozen in a blue velvet box.



Pickle Forks. List per dozen 20.10
Short Handle; length, 6¼ inches; weight each, 3½ oz.
1/12 dozen in a blue velvet box.

Salad Serving Forks. List per dozen 58.80
Length, 9 inches; weight each, 9½ oz.
1/12 dozen in a blue velvet box.

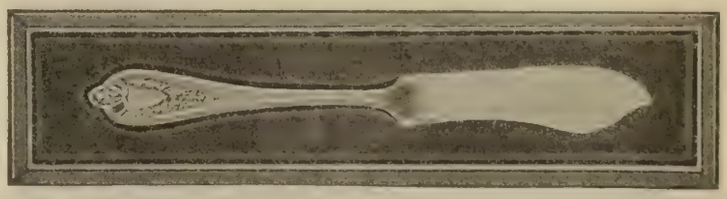


EMBOSSED FORKS—Solid Handle.

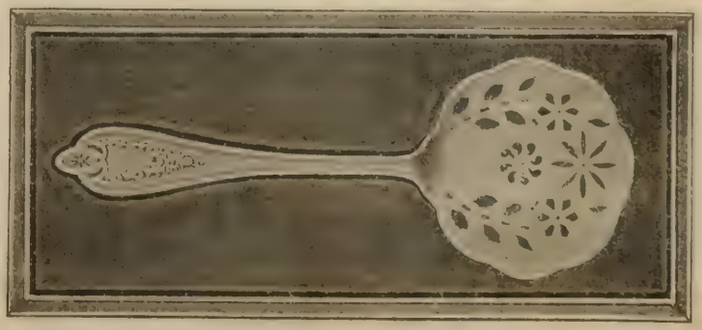
Dessert. List per dozen 12.60
Length, 7 inches; weight per box, 1 pound.

Table. List per dozen 13.30
Length, 7⅜ inches; weight per box, 18 oz.
1/2 dozen in a plain box.

Cake Forks. List per dozen 29.40
Length, 7⅞ inches; weight each, 5½ oz.
1/12 dozen in a blue velvet box.



Butter Knives. List per dozen 22.90
Length, 7⅛ inches; weight each, 5 oz.
1/12 dozen in a blue velvet box.



Tomato Servers. List per dozen 47.30
Pierced; length, 7½ inches; weight each, 8 oz.
1/12 dozen in a blue velvet box.

1847 ROGERS BROS. SILVERPLATE

OLD COLONY PATTERN

EMBOSSED SOLID HANDLE KNIVES

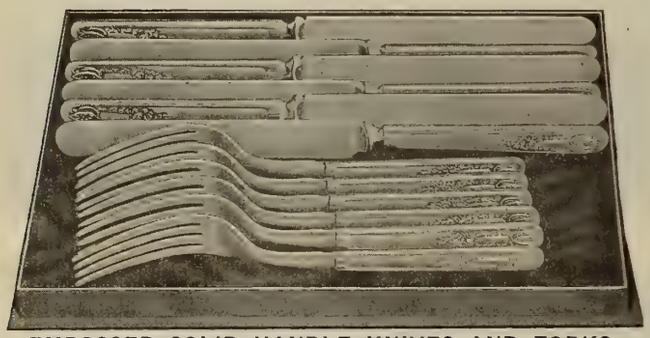
Dessert or Tea. List per dozen 12.60
Straight blade; plated; length, 8⅜ inches; weight per box, 1¼ pounds.

Table or Dinner. List per dozen 13.30
Straight Blade, plated; length, 9⅜ inches; weight per box, 1½ pounds.

1/2 dozen in a box.

HOLLOW HANDLE, PLATED BLADE KNIVES

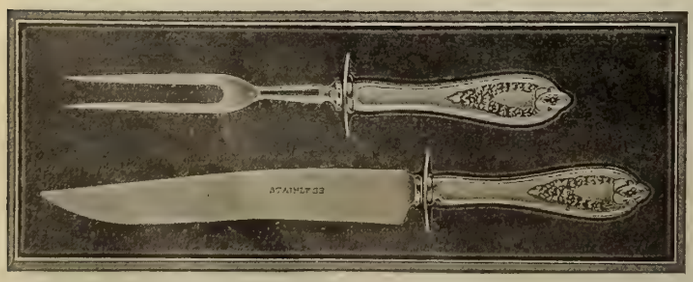
Dessert or Tea. List per dozen 29.00
Length, 9¼ inches; weight per box, 1½ pounds.
1/2 dozen in a box.



EMBOSSED SOLID HANDLE KNIVES AND FORKS

Dessert or Tea. List per set 12.60
8⅜ inch knife; 7 inch fork; weight per set, 2 pounds.
1 set of 6 knives and 6 forks in a lined box.

Solid Handle Pie Server. List per dozen 35.10
Also for ice cream service; length, 10⅛ inches; weight 11 ounces.
1/12 dozen in a blue velvet box.



2-Piece Game Carvers. List per pair 17.20
Hollow Handle; Stainless.
Fork and knife with French pattern blade; fork 9¼ inches long; knife, 11½ inches long; weight, 14½ ounces.
1 pair in a blue velvet box.

HOLLOW HANDLE, STAINLESS STEEL KNIVES

Dessert or Tea. List per dozen 39.40
Length, 9¼ inches; weight per box, 1½ pounds.

Table or Dinner. List per dozen 42.30
Length, 10 inches; weight per box, 1⅝ pounds.
Firth's stainless steel, curved blade; carefully finished and sharpened.

1/2 dozen in a box.

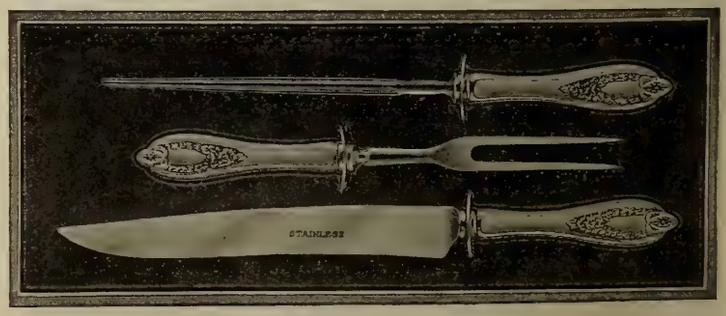
HOLLOW HANDLE, PLATED BLADE KNIVES

Table or Dinner. List per dozen 30.80
Length, 9⅞ inches; weight per box, 1 pound 10 ounces.
1/2 dozen in a box.

EMBOSSED SOLID HANDLE KNIVES AND FORKS

Table or Dinner. List per set 13.30
9⅜ inch knife; 7⅜ inch fork; weight per set, 2½ pounds.
1 set of 6 knives and 6 forks in a lined box.

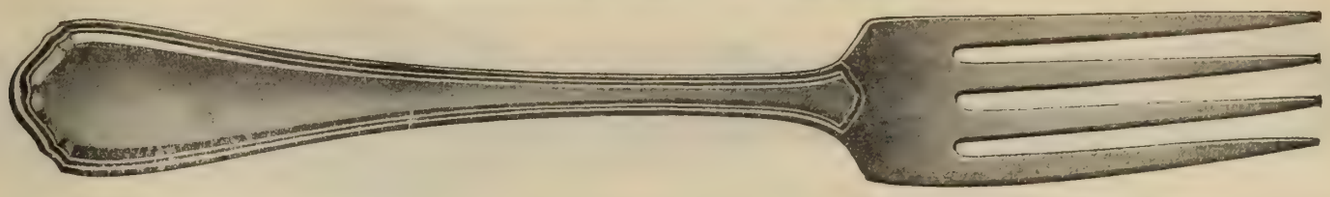
Hollow Handle Pie Server. List per dozen 58.80
Also for ice cream service; length, 10⅛ inches; weight 9 ounces.
1/12 dozen in a blue velvet box.



3-Piece Meat Carvers. List per set 24.00
Hollow Handle; Stainless.
14¼ inch knife with French pattern blade; fork 11 inches long; steel, 13 inches long; weight per set, 2¼ pounds.
1 set in a blue velvet box.

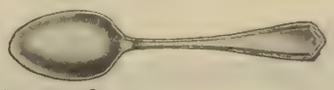
H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

NIAGARA PATTERN SILVERPLATE



Pure silver plated on the finest quality 18% nickel silver base with sterling silver mound on spoons and forks at points of greatest wear; pleasing pattern of simple design.

Baby Spoons. List per dozen 11.30
Curved handle; length, 3½ inches; weight each, 2 oz.
1/12 dozen in a lined box.



Coffee Spoons. List per dozen 6.30
Length, 4⅝ inches; weight per box, 7 oz.
1/2 dozen in a lined box.

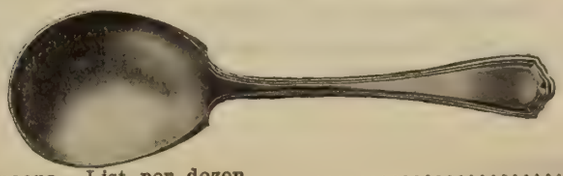
5 O'clock Tea Spoons. List per dozen 6.30
Length, 5½ inches; weight per box, 13 oz.

Tea Spoons, Regular. List per dozen 6.30
Length, 6 inches; weight per box, 15 oz.
1 dozen in a plain box.

Dessert Spoons. List per dozen 11.40
Length, 7 inches; weight per box, 1¼ pounds.

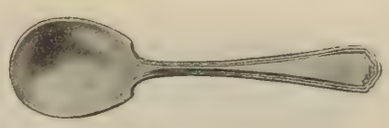
Table Spoons. List per dozen 12.60
Length, 8¼ inches; weight per box, 1⅞ pounds.
1 dozen in a plain box.

Cold Meat Forks. List per dozen 21.60
Length, 7¾ inches; weight each, 5¼ oz.
1/12 dozen in a lined box.

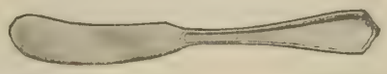


Berry Spoons. List per dozen 32.40
Bright bowl with lipped shoulder, 2⅞ x 3⅜ inches; length, 9 inches; weight each, 8 oz.
1/12 dozen in a lined box.

Soup Spoons. List per dozen 12.60
Round bowl; length, 7 inches; weight per box, 1¼ pounds.
1 dozen in a plain box.



Sugar Spoons. List per dozen 15.60
Bright bowl; length, 6 inches; weight each, 3½ oz.
1/12 dozen in a lined box.



Individual Butter Spreaders. List per dozen 12.70
Flat; 2¾ inch blade; length, 6 inches; weight per box, 9 oz.
1/2 dozen in a lined box.

Butter Knives. List per dozen 15.20
Bent; 3½ inch blade; length, 7½ inches; weight each, 4 oz.
1/12 dozen in a lined box.

Dessert Forks, Flat. List per dozen 11.40
Four tine; length, 7 inches; weight per box, 1½ pounds.
1 dozen in a plain box.

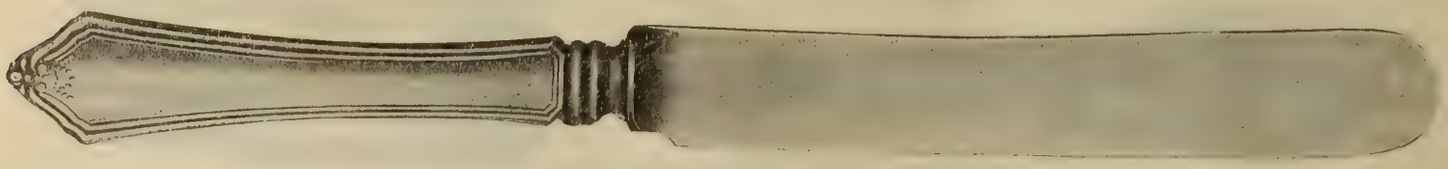
Table Forks, Flat. List per dozen 12.60
Four tine; length, 7½ inches; weight per box, 1⅝ pounds.
1 dozen in a plain box.

Dessert Knives. List per dozen 32.50
Hollow Handle; curved plated blade 4½ inches long; length over all, 8⅝ inches; weight per box, 1¼ pounds.

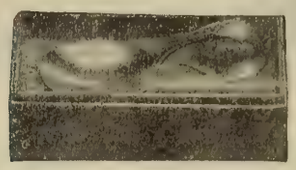
Table Knives. List per dozen 32.50
Hollow Handle; curved polished crucible steel blade, 5 inches long; length over all, 9½ inches; weight per box, 1¼ pounds.
1/2 dozen in a racked box.

Cream Ladles. List per dozen 21.60
Bright lipped bowl, 1⅞ x 1¾ inches; length, 6½ inches; weight each, 4½ oz.
1/12 dozen in a lined box.

WAVERLEY PATTERN SILVERPLATE

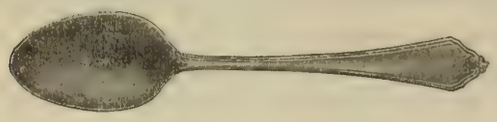


An attractive design, reasonably-priced bright plated w are that will give excellent satisfaction.



Baby Spoons. List per dozen 9.00

Curved Handle; length, 3⅜ inches; weight each, 3 oz.
1/12 dozen in a lined box.



Coffee Spoons. List per dozen 4.60

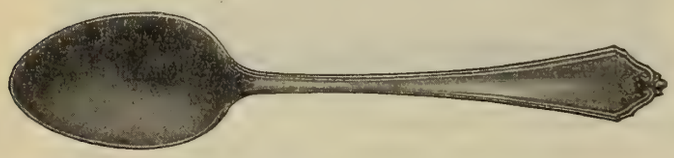
Length, 4½ inches; weight per box, 6 oz.

Medium Tea Spoons. List per dozen 4.60

Length, 5½ inches; weight per box, 9½ oz.

Tea Spoons, Regular. List per dozen 4.60

Length, 6 inches; weight per box, 3/4 pound.
1 dozen in a plain box.



Dessert Spoons. List per dozen 8.00

Length, 7½ inches; weight per box, 17 oz.

Table Spoons. List per dozen 9.00

Length, 8¼ inches; weight per box, 1 lb. 5 oz.
1 dozen in a plain box.

Butter Knives. List per dozen 12.30

Bent; 3¾ inch blade; length over all, 7½ inches; weight each, 3 oz.
1/12 dozen in a lined box.

Sugar Shells. List per dozen 12.00

Bright bowl; length, 6 inches; weight each, 3 oz.
1/12 dozen in a lined box.

Orange Spoons. List per dozen 8.50

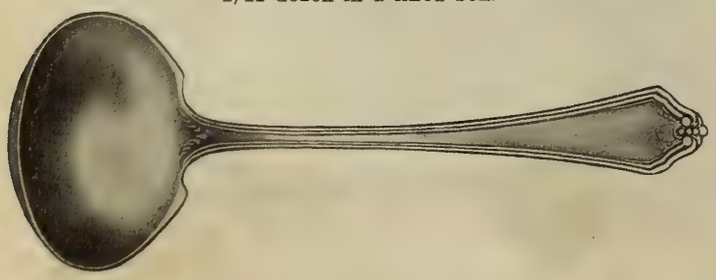
Length, 5⅞ inches; average weight per box, 3/4 pound.
1 dozen in a plain box.

Soup Spoons. List per dozen 9.00

Round bowl; length, 7 inches; weight per box, 17 oz.
1 dozen in a plain box.

Individual Butter Spreaders. List per dozen 11.40

Flat pattern; 2¾ inch blade; length over all, 6¼ inches; weight per box, 1/2 pound.
1/2 dozen in a lined box.



Gravy Ladles. List per dozen 24.00

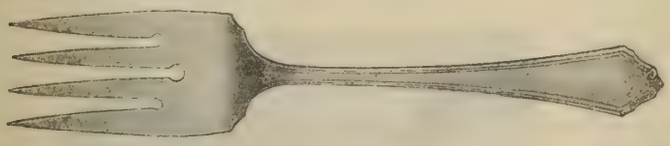
Bright bowl; length, 7 inches; weight each, 5¾ oz.
1/12 dozen in a lined box.

Berry Spoons. List per dozen 30.00

Bright bowl; length, 9 inches; weight each, 7 oz.
1/12 dozen in a lined box.

WAVERLEY PATTERN SILVERPLATE

Combination Sugar Shell & Butter Knife. List per dozen sets 26.40
7½ inch butter knife; 6 inch sugar shell; weight per box, 5 ounces.
1/12 dozen sets in a lined box.

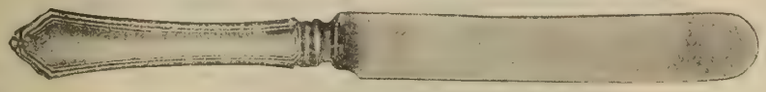


Cold Meat Forks. List per dozen 19.60
Length, 7¾ inches; weight each, 4½ ounces.
1/12 dozen in a lined box.

Dessert Forks. List per dozen 8.00
Flat; length, 7 inches; weight per box, 1⅛ pounds.

Table Forks. List per dozen 9.00
Flat; length, 7½ inches; weight per box, 1¼ pounds.
1 dozen in a plain box.

HOLLOW HANDLE, PLATED BLADE KNIVES

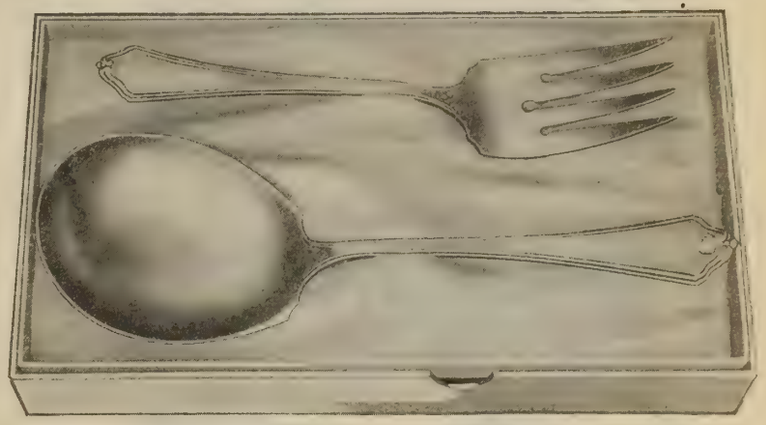


Dessert. List per dozen 17.50
Curved blade, 4⅝ inches long; length over all, 8⅝ inches; weight per box, 1 pound.

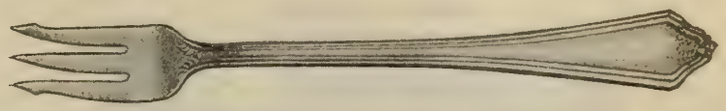
Table. List per dozen 20.00
Curved blade, 5⅛ inches long; length over all, 9⅛ inches; weight per box, 1½ pounds.
1/2 dozen in a racked box.

EMBOSSED HANDLE, PLATED KNIVES AND FLAT FORKS IN SETS

Dessert. List per set 9.50
8¾ inch straight blade knife with solid handle; 7 inch four tine flat fork; weight per set, 1⅞ pounds.
1 set of 6 Knives and 6 Forks in a racked box.



Salad Sets. List per set 4.30
Consists of bright berry spoon and cold meat fork; weight per set, 10½ ounces.
1 set in a box.



Pickle Forks. List per dozen 10.50
Short handle; length, 5⅝ inches; weight each, 2½ ounces.
1/12 dozen in a lined box.

EMBOSSED SOLID HANDLE; PLATED BLADE KNIVES

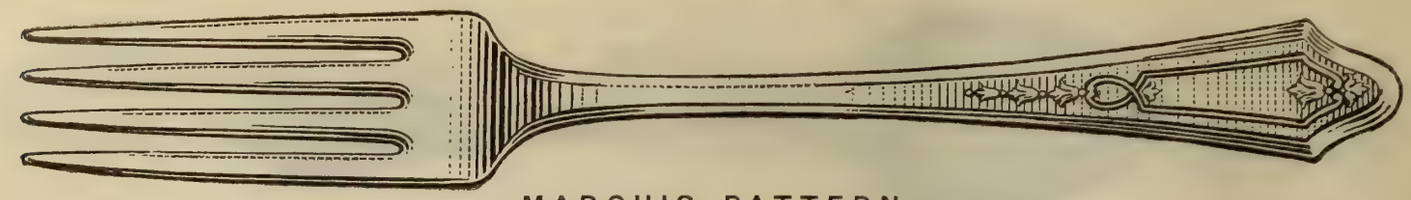
Dessert. List per dozen 11.50
Straight blade. 4½ inches long; length over all, 8¾ inches; weight per box, 17 ounces.

Table. List per dozen 12.00
Straight blade, 5 inches long; length over all, 9¼ inches; weight per box, 1 pound 5 ounces.
Solid steel; 12 dwt. pure silver plated; solid handles.
1/2 dozen in a racked box.

EMBOSSED HANDLE PLATED KNIVES AND FLAT FORKS IN SETS

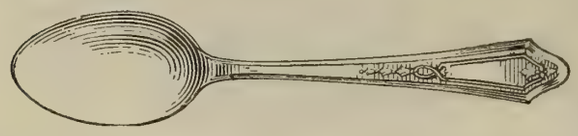
Table. List per set 10.50
9¼ inch straight blade knife with solid handle; 7½ inch four tine flat fork; weight per set, 2 pounds.
1 set of 6 knives and 6 forks in a racked box.

COMMUNITY TUDOR SILVERPLATE



MARQUIS PATTERN

A new Community Silverware product that has created a higher plane of quality in the low-priced fields. Bright butler finish heavily plated over all with special sectional plating at the point of greatest wear. The Marquis is an attractive pattern at a price within the reach of every one.



5 O'clock Tea Spoons. List per dozen 4.50

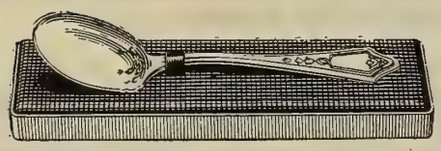
Length, 5 inches; for tea, sherbet, ices, sundaes, etc.
1 dozen in a box.

Dessert Spoons. List per dozen 8.50

Length, 7⅛ inches.
1 dozen in a plain box.

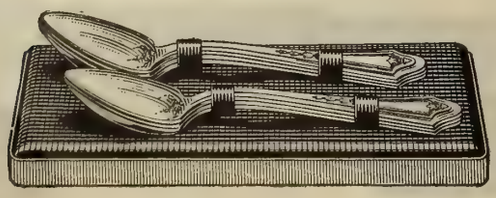
Coffee Spoons. List per dozen 4.50

For small cup service (demmi tasse); length, 4½ inches.
1/2 dozen in a blue lined box.



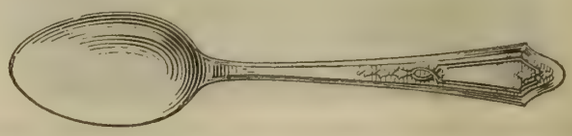
Sugar Shells. List per dozen 11.50

For sugar, jam, marmalade, etc., length, 5⅞ inches.
1/12 dozen in a blue velvet box.



Orange Spoons. List per dozen 7.80

For use with oranges, grapefruits, melons, etc.; length, 5⅜ inches.
1/2 dozen in a blue velvet box.

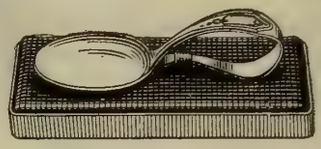


Tea Spoons, Regular. List per dozen 4.50

Length, 6 inches.
1 dozen in a plain box.

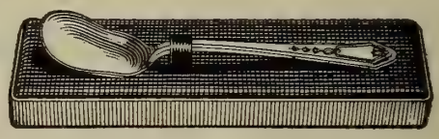
Table Spoons. List per dozen 9.00

Length, 8⅛ inches.
1 dozen in a plain box.



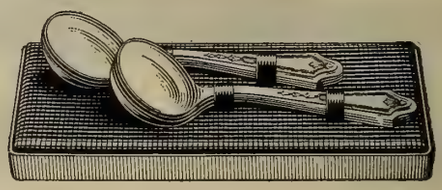
Baby Spoons. List per dozen 10.40

Curved Handle; specially designed to meet the requirements of bread and milk and cereal foods; length, 3½ ins.
1/12 dozen in a blue velvet box.



Jam Spoons. List per dozen 10.30

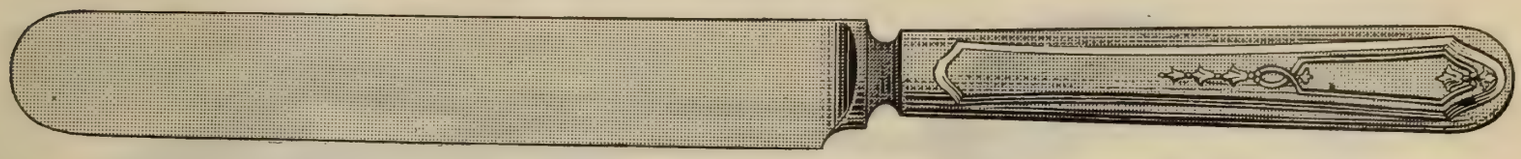
Or conserve spoon; for serving jam, marmalade, etc., length, 5¼ inches.
1/12 dozen in a blue velvet box.



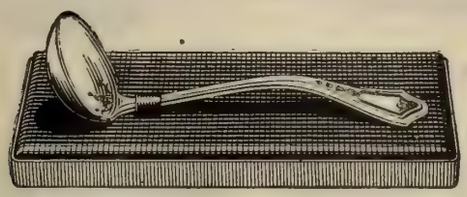
Soup Spoons. List per dozen 9.00

Round Bowl; length, 7⅛ inches.
1/2 dozen in a blue velvet box.

COMMUNITY TUDOR SILVERPLATE



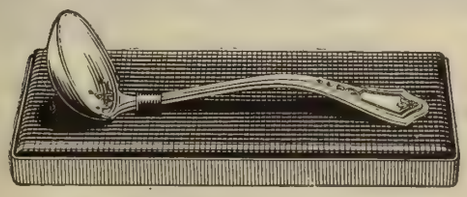
MARQUIS PATTERN



Cream Ladles. List per dozen 18.00

For serving salad dressing, whipped cream and pudding sauces; length, 5⅜ inches.

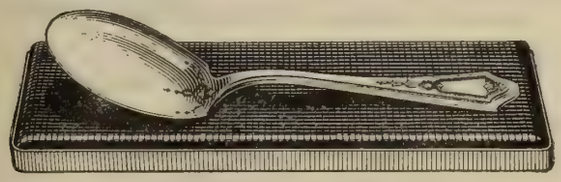
1/12 dozen in a blue velvet box.



Gravy Ladles. List per dozen 23.30

For deep dish serving of gravy, preserved fruits, sauces, etc., length, 6¾ inches.

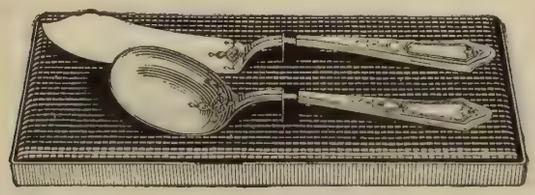
1/12 dozen in a blue velvet box.



Berry Spoons. List per dozen 31.20

Bright Bowl, for serving from casserole or baking dish; also used with the cold meat fork for salad serving; length, 9⅛ inches.

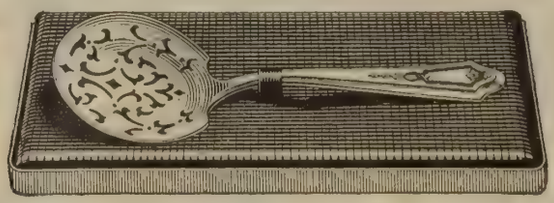
1/12 dozen in a blue velvet box.



Combination Sugar Shell and Butter Knife. List per dozen ... 23.10

A useful combination set; particularly desirable as a small gift.

1/12 dozen pairs in a blue velvet box.



Tomato Servers. List per dozen 31.20

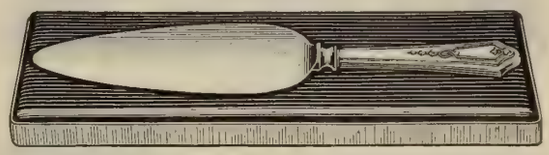
For serving tomatoes, pineapples, cucumbers, poached eggs, fritters, waffles, fish cakes, etc.; length, 7⅝ inches.

1/12 dozen in a blue velvet box.

Pickle Forks. List per dozen 15.60

For serving pickles, olives, etc.; length, 6⅜ inches.

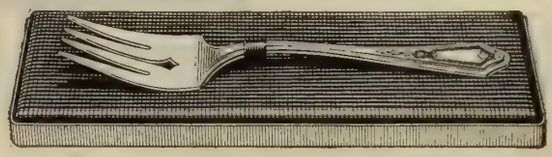
1/12 dozen in a blue velvet box.



Pie Servers. List per dozen 54.00

Modeled Handle; for serving pie; brick ice cream, cake, etc., length, 10½ inches.

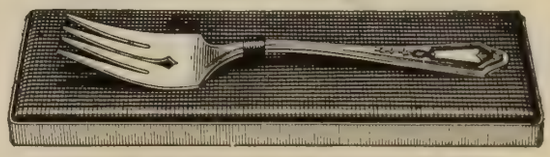
1/12 dozen in a blue velvet box.



Small Cold Meat Forks. List per dozen 15.60

For sliced fowl, cold meats, sardines, etc.; length, 6⅛ inches.

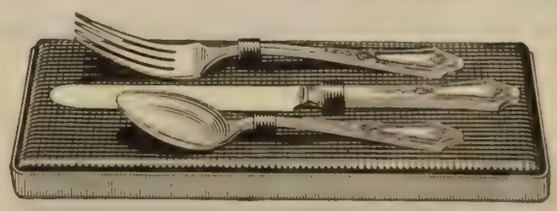
1/12 dozen in a blue velvet box.



Large Cold Meat Forks. List per dozen 19.50

For serving sliced fowl, cold meats, fish, asparagus, macaroni, spagheti, also used with berry spoon for salad serving; length, 8⅜ inches.

1/12 dozen in a blue velvet box.

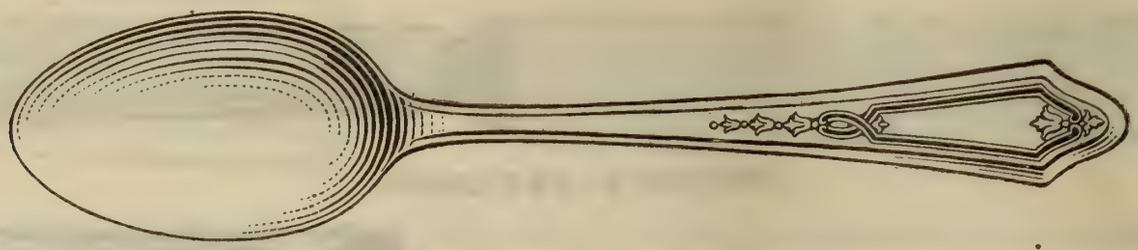


Child's Sets. List per dozen sets 31.20

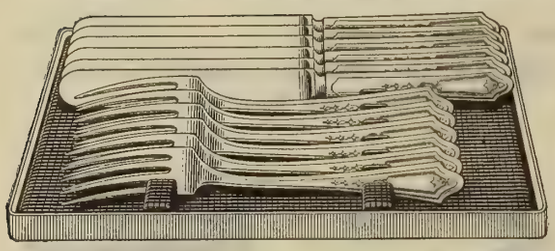
Knife, fork and spoon; children's size; embossed handle knife, flat fork.

1/12 dozen sets in a blue velvet box.

COMMUNITY TUDOR SILVERPLATE



MARQUIS PATTERN



KNIFE AND FORK SETS

Dessert. List per set 10.00

Embossed Handle Knives and Flat Forks.

Each set consists of 6 knives and 6 forks neatly racked in a lined box, making an excellent combination set; the knife blades are plated.

1 set in a box.

EMBOSSED HANDLE KNIVES

Dessert. List per dozen 11.60

Plated blades; length, 8½ inches.

Table. List per dozen 11.80

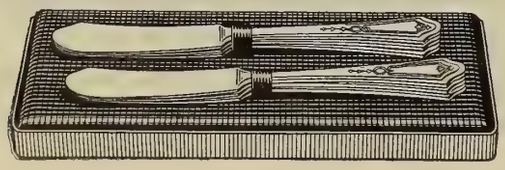
Plated blades; length, 9½ inches.

1/2 dozen in a racked box.

Dessert Forks. List per dozen 8.50

Flat Handle; length, 7 inches.

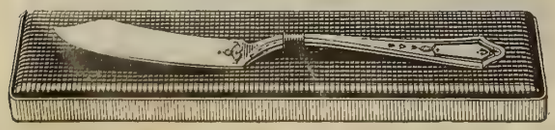
1/2 dozen in a plain box.



Individual Butter Spreaders. List per dozen 11.00

Flat pattern; used with individual bread and butter plates; length, 6¾ inches.

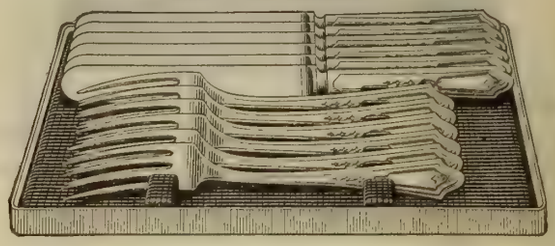
1/2 dozen in a blue velvet box.



Large Butter Knives. List per dozen 11.50

Length, 7⅞ inches, for butter service.

1/12 dozen in a blue velvet box.



KNIFE AND FORK SETS

Table. List per set 10.40

Embossed Handle Knives and Flat Forks.

Each set consists of 6 Knives and 6 Forks, neatly racked in a lined box; an excellent combination set; blades of Knives are plated.

1 set in a box.

HOLLOW HANDLE, STAINLESS KNIVES

Dessert. List per dozen 29.00

Stainless steel blade; length, 8¾ inches.

Table. List per dozen 34.60

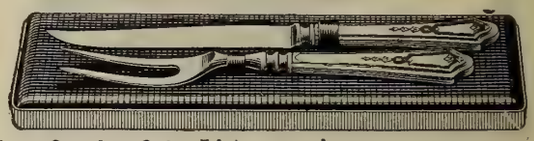
Stainless steel blade; length, 9¾ inches.

1/2 dozen in a racked box.

Table Forks. List per dozen 9.00

Flat Handle; length, 7½ inches.

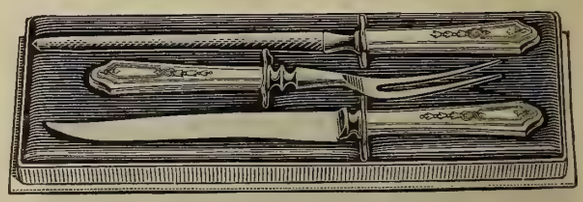
1/2 dozen in a plain box.



Small 2-Piece Carving Set. List per pair 11.60

Knife and Fork; modeled handles; French pattern stainless blade; for steak, fowl or breakfast service; length of knife, 9¾ inches.

Each pair in a blue lined gift box.



Small 3-Piece Carving Set. List per set 18.00

Knife, fork and steel, modeled handles; French pattern stainless knife; for fowl or small roasts; length of knife, 11¼ inches.

1 set in a blue lined box.

NEVADA SILVER FLAT WARE

TIPPED PATTERN

High grade solid white metal throughout; highly burnished; no plating to wear off; will maintain their color with ordinary care.

Tea Spoons	9	10	11
List per gross	10.00	21.20	24.00
Length, inches	5	5⅝	5⅞
App. weight gross, lbs.	4½	5¾	7¼

1/12 gross in a box.

No. 12. Dessert Spoons. List per gross 43.00
Length, 7⅛ inches; average weight per gross, 10¾ lbs.

No. 13. Table Spoons. List per gross 49.00
Length, 7⅞ inches; weight per gross, 13½ pounds.
1/12 gross in a box.

No. 14. Dessert Forks, Flat. List per gross 43.00
Length, 7 inches; weight per gross, 9¾ pounds.

No. 15. Table Forks, Flat. List per gross 49.00
Length, 7½ inches; weight per gross, 11½ pounds.
1/12 gross in a box.

No. 114. Dessert Forks. "Jumbo." List per gross 56.00
Length, 7 inches; weight per gross, 15 pounds.

No. 115. Table Forks. "Jumbo." List per gross 62.00
Length, 7⅜ inches; weight per gross, 18 pounds.
Solid oval handle; 1/12 gross in a box.

No. 16. Sugar Shells. List per gross 42.00
Fluted bowl; length, 5⅞ inches; weight per gross, 7¼ lbs.
1/12 gross in a box.

No. 17. Butter Knives. List per gross 48.00
Length, 7¼ inches; 3¾ inch blade; twisted handle; average weight per gross, 10½ pounds.

1847 ROGERS BROS. SILVER PLATE

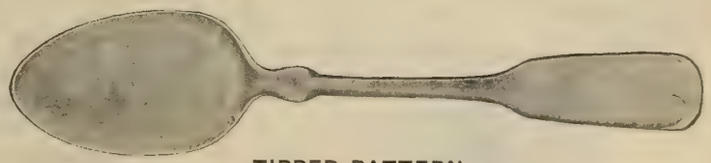
Extra heavily plated on finest nickel silver and best cutlery steel; warranted full weight of plating.

TIPPED PATTERN

Tea Spoons. List per dozen 9.30
Length, 5⅞ inches; weight per dozen, 14 ounces.
1 dozen in a box.

TIPPED PATTERN

Dessert Spoons. List per dozen 16.60
Length, 7⅛ inches; weight per dozen, 1 pound, 6 ounces.
1 dozen in a box.



TIPPED PATTERN

Table Spoons. List per dozen 18.60
Length, 8⅛ inches; weight per dozen, 1¾ pounds.
1 dozen in a box.

TIPPED PATTERN

Dessert Forks, Flat. List per dozen 16.60
Length, 7 inches; weight per dozen, 1 pound, 5 ounces.

Table Forks, Flat. List per dozen 18.60
Length, 7½ inches; weight per dozen, 1½ pounds.

ROUND PATTERN

No. 12. Dessert Forks. List per dozen 11.50
Length, 7 inches; weight per dozen, 1¾ pounds.

No. 12. Table Forks. List per dozen 11.90
Length, 7½ inches; weight per dozen, 2⅛ pounds.
Solid round handles; 1/2 dozen in a racked box.

ROUND PATTERN

No. 12. Dessert Knives. List per dozen 11.50
Length, 8¼ inches; 4½ inch blade; weight per dozen, 2⅛ pounds.

No. 12. Table Knives. List per dozen 11.90
Length, 9¼ inches; 5 inch blade; weight per dozen, 2¼ pounds.

Best cutlery steel, plated straight blade; solid rounded end handles.
1/2 dozen in a racked box.

SEE PAGE 522 FOR No. 12 KNIVES AND FORKS IN SETS

THERMOS BOTTLES, CARAFES, ETC.

For Keeping Liquids Hot or Cold.

Fitted with glass bottles or fillers that excel in efficiency and strength, equipped with patented asbestos reinforcements within the vacuum chamber; spring steel shock absorbers fitted with cord cushions. Cases in sizes and finishes as below. Carefully packed.

THERMOS BOTTLES

Nos.	11	11-Q
List each	2.70	4.74
Size, ounces	15	30
Formerly	pint	quart
Diameter, ins.	3⅛	3¾
Height, inches	9¾	13½
App. wt. each, lbs.	1	1¾
Mfs. Std. list	2.00	3.50

Heavy Metal Case, eggshell enamel finish; polished aluminum cup, shoulder and bottom.

1 in a carton.

Nos.	14½	14	14-Q
List each	2.70	3.06	5.40
Size, ounces	7	15	30
Formerly	½ pint	pint	quart
Diam., ins.	2¾	3⅛	3¾
Height, ins.	8	9¾	13½
App. wt. each, lbs.	7/8	1	1¾
Mfs. Std. list	2.00	2.50	4.00

Heavy metal case; eggshell enamel finish; nickel plated brass cup, shoulder and bottom.

1 in a carton.

Nos.	6½	6	6-Q
List each	4.72	5.40	7.44
Size, ounces	7	15	30
Formerly	½ pint	pint	quart
Diam., ins.	2¾	3⅛	3¾
Height, ins.	8	9¾	13½
App. wt. each, lbs.	7/8	1¼	2
Mfs. Std. list	3.50	4.00	5.50

Standard design heavy brass seamless plain case; extra heavy nickel-plated, full polished finish.

1 in a carton.

THERMOS BOTTLES

Nos.	25½	25	25-Q
List each	3.06	4.06	6.08
Size, ounces	7	15	30
Formerly	½ pint	pint	quart
Diam., ins.	2¾	3⅛	3¾
Height, ins.	8	9¾	13½
App. wt. each, lbs.	7/8	1¼	2
Mfs. Std. list	2.25	3.00	4.50

Heavy brass, seamless corrugated case; nickel plated, Butler's finish.

1 in a carton.

THERMOS BOTTLE FILLERS

Nos.	61½	61	61-Q
List each	1.72	1.72	3.06
Size, ounces	7	15	30
Formerly	½-pint	pint	quart
Diam., ins.	2¼	2¾	3¼
Height, ins.	7	8⅛	11¾
App. wt. each, oz.	7	9	16
Mfs. Std. list	1.25	1.25	2.25

For all Thermos bottles of the above sizes; carefully made and tested.

1 in a carton, with cork.

THERMOS BOTTLE CORKS

Nos.	709	710	711
List per dozen	.82	.82	.82
For Bottles, ozs.	7	15	30
Mfs. Std. list	.60	.60	.60

Specially made from fine quality Spanish cork; carefully shaped.

Open stock.

DETACHABLE HANDLES

No. 81. Handles Only. List per dozen .. 1.62
Nickel Plated.

A handy deicve made to fit all Thermos bottle cups, also cups in sets No. 79 and 80.

Open stock.

THERMOS CARAFES

No. 54. List each 11.50
33 Ounce Size; (formerly quart).

Polished nickel plated heavy brass case; Perfection metal and cork stopper; case entirely covers the glass filler; 5 inches outside diameter; 11¼ inches high over all; average weight each, 3 pounds.

Mfs. Standard list $8.50.

1 in a carton.

THERMOS JUGS

No. 556. List each 14.86
33 Ounce Size; (formerly quart).

Polished nickel plated heavy brass case with solid cast handle; Perfection metal and cork stopper; case entirely covers the glass filler; 5½ inches outside diameter; 11 inches high over all; average weight each, 3 pounds.

Mfs. Standard list $11.00.

1 in a carton.

No. 564. List each 18.90
33 Ounce Size (formerly quart).

Lipped jug; polished nickel plated heavy brass case with solid cast handle; ground glass silvered stopper; case entirely covers the glass filler; 5¼ inches outside diameter; 10¼ inches high over all; average weight each, 3 pounds.

Mfs. Standard list, $14.00.

1 in a carton.

THERMOS SETS, KITS, ETC.

THERMOS SERVICE SETS

No. 89. List per set 14.86

Jug, Tumbler and Tray.

JUG:—No. 57, sixteen ounce size; nickel plated heavy brass case; Perfection metal and cork stopper; solid cast handle.
TUMBLER:—Cut glass, flaring pattern.
TRAY:—10 inches diameter; nickel plated and polished.

Average weight per set, 3 pounds.
Mfs. Standard list $11.00.
1 set in a carton.

THERMOS CARRYING CASES

Nos.	163	163-Q
List each	4.96	5.40
Bottle size	15-oz.	30-oz.
Diam., ins.	4	4¾
Height, ins.	10¾	14½
App. wt. each, lbs.	1/2	1
Mfs. Std. list	3.00	4.00

Single Case; Without Bottle.

Strongly made of dark Thermaline with red Thermaline lining; leather strap; hinged lid; patent fastener.
1 in a box.

Nos.	164	164-Q
List each	6.08	8.10
Bottle size, oz.	15	30
Width, inches	8	9
Height, ins.	10¾	15
App. wt. each, lbs.	2½	3
Mfs. Std. list	4.50	6.00

Twin Case; Without Bottles.

Strongly made of dark Thermaline with red Thermaline lining; holds two 15 or 30 ounce bottles; leather strap; hinged cover; patent fastener.
1 in a box.

THERMOS CUPS

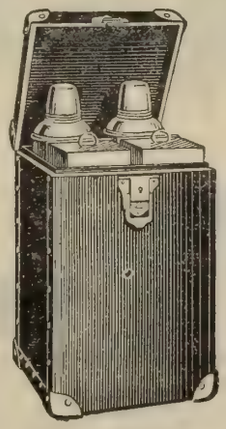
Nos.	79	80
List per set	3.72	5.08
Cups in set	4	6
Top Diam., ins.	2¾	5
Height, ins.	4½	4½
App. wt. set, lbs.	3/4	1
Mfs. Std. list	2.75	3.75

Nested.

Made of brass, nickel plated; polished outside; burnished inside; fastened together with neat band.

1 set in a box.

THERMOS MOTOR CASES



No. 300. Without Bottles. List each .. 15.52

No. 301. Including Bottles. List each .. 29.36

30 Ounce Bottle Size.

CASE:—Strongly made wood case, covered with black Therduc; reinforced metal corners; leather handle; serviceable key lock.

BOXES:—No. 78-Q; made from heavy tin plate, dark green eggshell enamel finish; hinged cover; with pull; size, 15½ inches long, 9½ inches square; included in both No. 300 and 301.

BOTTLES:—No. 14-Q; quart size; eggshell enamel metal case with nickel plated brass cup, shoulder and bottom; included in No. 301 set only.

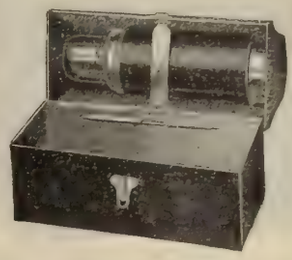
Average weight per set, 7½ and 10 lbs.

Mfs. Standard list:—

No. 300, $11.50; No. 301, $21.75.

1 in a carton.

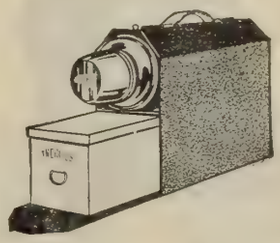
THERMOS LUNCH KITS



Nos.	396	397	398
List each	5.40	6.08	7.44
With Bottle No.	11	14	25
Mfs. Std. list	4.00	4.50	5.50

Metal Kits With 15 Ounce Bottle.

Heavy tin plate case, black enamel outside, sanitary lacquered inside; nickel plated trimmings; positive fastener; leather handle; secure bottle holder; thoroughly ventilated; case 10 inches long, 4⅝ inches wide, 5⅜ inches high; average weight each, 3 pounds.
1 in a carton.



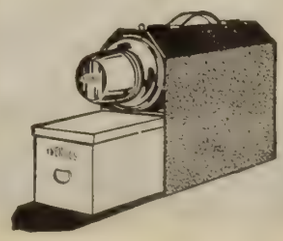
Nos.	407	408	409
List each	5.40	5.74	6.76
With Bottle, No.	14½	25½	15½
Mfs. Std. list	4.00	4.25	5.00

"D" Fibre Kits with 7 Ounce Bottles.

No. 409 with Nickelled Box.

Long grain embossed fibre case with leather handle; patent strap fastener; removable metal food container, sanitary lacquered inside, except No. 409, which has nickelled box; size, 8¾ inches long, 3½ inches wide, 6½ inches high; average weight each, 2 pounds.

1 in a carton.

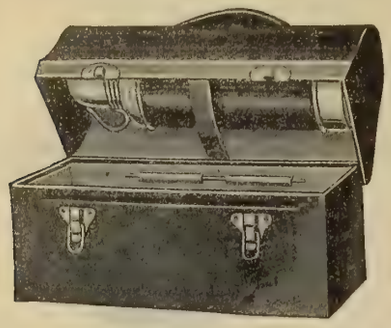


Nos.	416	417	418
List each	5.40	6.08	7.44
With bottle, No.	11	14	25
Mfs. Std. list	4.00	4.50	5.50

"D" Fibre Kits with 15 Ounce Bottles.

Long grain embossed fibre case with leather handle; patent strap fastener; metal food container, sanitary lacquered inside; size, 10½ inches long; 3¾ inches wide, 7¾ inches high; average weight, each, 2½ pounds.
1 in a carton.

THERMOS LUNCH KITS



Nos.	1396	1397	1398
List each	7.43	8.10	9.76
With Bottle No.	1111	1414	2525
Mfs. Std. list	5.50	6.00	6.50

Metal Kits With 23 Ounce Bottles.
Heavy tin plate case, black enamel finish outside, sanitary lacquered inside; two positive fasteners; leather handle; secure bottle holder; thoroughly ventilated; detachable cup handle No. 81 with each kit; size:—11½ inches long, 5¼ inches wide, 8¼ inches high; average weight each, 3 pounds.
1 in a carton.

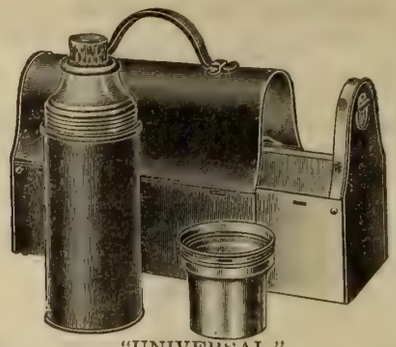
Nos.	400	402	404
List each	5.08	6.08	7.43
With Bottle No.	11	14	25
Mfs. Std list	3.75	4.50	5.50

Fibre Kits With 15 Ounce Bottle.
Black seal embossed fibre case with leather handle, metal corners; positive metal fastener; patented bottle holder; lacquered tin removable food container 9¾ ins. long, 5¼ ins. wide, 3¾ inches deep; size of kit, 10⅜ inches long, 5¾ inches wide, 7½ inches high; average weight each, 2¾ pounds.
1 in a carton.

Nos.	1400	1402	1404
List each	7.43	8.10	9.76
With Bottle No.	1111	1414	2525
Mfs. Std. list	5.50	6.00	6.50

Fibre Kits with 23 Ounce Bottles.
Black seal embossed fibre case with leather handle; reinforced with metal corners; positive metal fastener; patented bottle holder; removable sanitary lacquered tin food container; size:—11½ inches long, 5⅞ inches wide, 9 inches high; average weight each, 3 pounds.
1 in a carton.

VACUUM LUNCH KITS

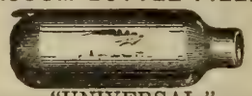


"UNIVERSAL."

No. 310. List each 6.00

Metal Kit with Pint Size Vacuum Bottle.
Heavy metal case, dull black enamelled inside and outside, with nickel plated trimmings and leather handle; bright tin food container 9¼ inches long, 4⅝ inches wide, 3⅜ inches deep, slides into case from the end; vacuum bottle has black enamelled case with heavily tinned drawn metal drinking cup and fits into a separate compartment in the case; outside dimensions: 10 inches long, 4¾ inches wide, 7 inches high; average weight each, packed, 4¼ pounds.
1 in a carton.

VACUUM BOTTLE FILLERS



"UNIVERSAL."

No. 01. List each 2.10

Pint Size.
2¾ inches outside diameter; 8⅛ inches high; fits pint vacuum bottle included in 310 lunch kit; average weight each, packed, 1 pound.
1 in a carton, with cork.

LUNCH BOXES

Open. Folded.

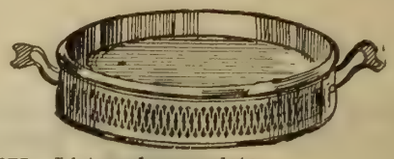
"Ehle's." List per dozen 8.50

Folding, Pocket.
Amber lacquered pressed sheet metal top and bottom; heavy, black canvas sides (waterproof) coppered steel wire supports; web handle with cover locking clips; size: 7½ x 4½ inches, 5 inches high when open, ¼ inch thick when folded; average weight per dozen, 5¾ lbs.
1 dozen in a bundle.

No. 25. List per dozen 8.50

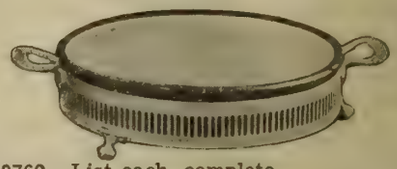
Tan Japanned.
All tin, bright inside; ventilated; beaded rims; rounded corners; hinged lid with cover catch and shaped handle; size 3¼ inches long, 5 inches wide, 5 inches deep, 7½ inches high over all; average weight per dozen, 12 pounds.
1 dozen in a carton.

PIE BAKERS



No. 975. List each, complete 5.20

9 inch; Brown Dish.
Frame:—One piece, brass, pierced, nickel plated and highly polished, hemmed edges, open bottom, soldered handles and feet; 8⅜ inches inside diameter, 2 inches high.
Crock:—Heavy brown ware, white inside; 8½ inches outside diameter; average weight each, 2 pounds.
Open stock; paper wrapped.



No. 9760. List each, complete 5.40

9 Inch.
Consists of:—

No. 976 Frame. List each 3.80

No. 202 Pyrex Pie Plate. See page 565.

Frame:—One-piece, brass, pierced, nickel plated and highly polished; beaded top rim, flanged bottom rim, soldered handles and feet; 8 5/16 inches inside diameter, 1¾ inches high.
Dish:—No. 202 Pyrex transparent ovenglass pie plate.
Average weight each, 1¾ pounds.
Open stock; paper wrapped.

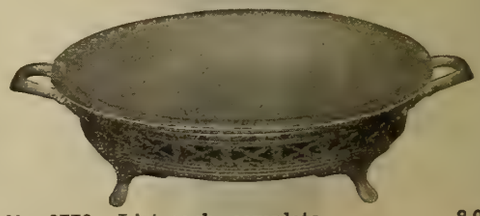
No. 9790. List each, complete 6.00

10 Inch.
Consists of:—

No. 979 Frame. List each 4.00

No. 203 Pyrex Pie Plate. See page 565.

Frame:—One-piece, brass, pierced, nickel plated and highly polished; beaded top rim, flanged bottom rim, open bottom, soldered handles and feet; 9½ inches inside diameter, 1¾ inches high.
Dish:—No. 203 Pyrex transparent ovenglass pie plate.
Average weight each, 2¼ pounds.
Open stock; paper wrapped.



No. 9770. List each, complete 8.00

9 Inch.
Consists of:—

No. 977 Frame. List each 5.20

No. 202 Pyrex Pie Plate. See page 565.

Frame:—One-piece, nickel silver, pierced, silver plated and highly polished; beaded top rim, flanged bottom rim, open bottom, soldered handles and feet; 8¼ inches inside diameter, 1⅞ inches high.
Dish:—No. 202 Pyrex transparent ovenglass pie plate.
Average weight each, 1¾ pounds.
Open stock; paper wrapped.

CASSEROLES COMPLETE WITH FRAME

No. 9650 Plain Top. List each 7.50
No. 9655 Engraved Top. List each 8.20
7 Inch; Round Frame.
Consists of:—
No. 965 Frame. List each 4.20
No. 167 Plain Top Pyrex Casserole
or
No. 167E. Engraved Top Casserole.
Frame:—One-piece, brass, pierced, nickel plated and highly polished; hemmed edges, open bottom, soldered handles and feet; 6⅝ inches inside diameter, 3⅝ inches high.
Dish:—No. 167 or 167E. Pyrex transparent oven-glass casseroles as shown on page 564.
Average weight each, 3 pounds.
Open stock; paper wrapped.

No. 9520. List each, complete 11.00
8 Inch; Oval Frame.
Consists of:—
No. 952 Frame. List each 7.70
No. 293 Pyrex Casserole. See page 564.
Frame: — One-piece, brass, pierced, nickel plated and highly polished; beaded top rim, flanged bottom rim, open bottom, soldered handles and feet; 7⅝ x 5½ inches inside, 3¼ inches high.
Dish:—No. 293 Pyrex Transparent oven-glass casserole.
Average weight each, 3¼ pounds.
Open stock; paper wrapped.

No. 9670. List each, complete 7.90
8 Inch; Oval Frame.
Consists of:—
No. 967 Frame. List each 4.60
No. 293 Pyrex Casserole. See page 564.
Frame:—One piece, brass, pierced, nickel plated and highly polished; hemmed edges, open bottom, soldered handles and feet; 7½ x 5¾ inches inside, 3⅝ inches high.
Dish:—No. 293 Pyrex transparent oven-glass casserole.
Average weight each, 3¼ pounds.
Open stock; paper wrapped.

CASSEROLES COMPLETE WITH FRAME

No. 9800. List each, complete 8.10
10 Inch Shallow; Oval Frame.
Consists of:—
No. 980 Frame. List each 4.40
No. 184 Pyrex Casserole. See page 564.
Frame:—One piece, brass, pierced, nickel plated and highly polished; hemmed edges, open bottom, soldered handles and feet; 10⅛ x 7½ inches inside, 3 inches high.
Dish:—No. 184 Pyrex transparent oven-glass casserole.
Average weight each, 4¾ pounds.
Open stock; paper wrapped.

No. 9660. List each, complete 8.30
8 Inch; Round Frame.
Consists of:—
No. 966 Frame. List each 4.50
No. 268 Pyrex Casserole. See page 564.
Frame:—One-piece, brass, pierced, nickel plated and highly polished; hemmed edges, open bottom, soldered handles and feet; 7⅝ inches inside diameter, 3⅝ ins. high.
Dish:—No. 268 Pyrex transparent oven-glass casserole.
Average weight each, 4 pounds.
Open stock; paper wrapped.

No. 9700. List each, complete 11.30
7 Inch; Round Frame.
Consists of:—
No. 970 Frame. List each 8.00
No. 167 Pyrex Casserole. See page 564.
Frame:—One-piece, nickel silver, pierced, silver plated and highly polished, beaded top rim, flanged bottom rim, open bottom, soldered handles and feet; 6¾ ins. inside diameter, 3½ inches high.
Dish:—No. 167 Pyrex transparent oven-glass casserole.
Average weight each, 3¼ pounds.
Open stock; paper wrapped.

CASSEROLES COMPLETE WITH FRAME

No. 9500 Plain Top. List each 11.40
No. 9505 Engraved Top. List each 12.10
8 Inch; Round Frame.
Consists of:—
No. 950 Frame. List each 7.70
No. 268 Plain Top Pyrex Casserole
or
No. 268E Engraved Top Pyrex Casserole
Frame:—One-piece, nickel silver, pierced, silver plated and highly polished beaded top rim, flanged bottom rim, open bottom, soldered handles and feet; 7½ ins. inside diameter, 3½ inches high.
Dish:—No. 268 or 268E Pyrex transparent oven-glass casseroles as shown on page 564.
Average weight each, 4 pounds.
Open stock; paper wrapped.

No. 9720. List each, complete 11.70
8 Inch; Oval Frame.
Consists of:—
No. 972 Frame. List each 7.20
No. 293 Pyrex Casserole. See page 564.
Frame:—One-piece, nickel silver, pierced, silver plated and highly polished; beaded top rim, flanged bottom rim, open bottom, soldered handles and feet; 7⅝ x 5½ inches inside; 2¾ inches high.
Dish:—No. 293 Pyrex transparent oven-glass casserole.
Average weight each, 3¼ pounds.
Open stock; paper wrapped.

No. 9710. Last each, complete 12.10
8 Inch; Round Frame.
Consists of:—
No. 971 Frame. List each 8.00
No. 293 Pyrex Casserole. See page 564.
Frame:—One-piece, nickel silver, pierced, silver plated and highly polished; beaded top rim, flanged bottom rim, open bottom, soldered handles and feet; 7½ inches inside diameter, 4 inches high.
Dish:—No. 268 Pyrex transparent oven-glass casserole.
Average weight each, 4½ pounds.
Open stock; paper wrapped.

"PYREX" TRANSPARENT OVEN-GLASS

"Pyrex" is a glass of high thermal endurance, combining great strength and low expansion, pressed into convenient shapes for all kinds of combined baking and serving dishes; the oven heat is transmitted to the food uniformly, the heat radiating through the glass; attractive in appearance; easily cleaned, will not break in oven use. All pieces are carefully packed.

CASSEROLES

No. 167 Plain. List per dozen 40.00
No. 167E. Engraved. List per dozen 48.00

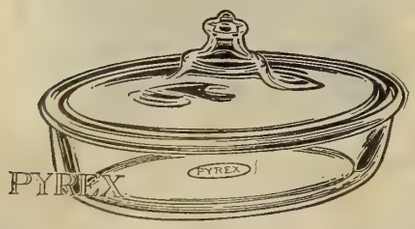
Round; 1 Quart (Trade Size).
Will fit standard mountings; outside measurements 7¼ x 2⅝ inches; holds approximately 2 Imperial pints; average weight per dozen, packed, 29 pounds.
1/12 dozen in a carton.

No. 268 Plain. List per dozen 44.00
No. 268E. Engraved. List per dozen 52.80

Round; Victor Cover.
1½ Quart (Trade Size).
Will fit standard mountings; deep bevelled edge cover; outside measurements 8¼ x 2⅞ inches; holds approximately 2¼ Imperial pints; average weight per dozen, packed, 40 pounds.
1/12 dozen in a carton.

No. 101. List per dozen 56.00

Round; 2 Quart (Trade Size).
Dish and cover; outside measurements 9 x 3¼ inches; holds 3 Imperial pints; average weight per dozen, packed, 44 pounds.
1/12 dozen in a carton.



No. 184. List per dozen 44.00

Oval; Shallow Beef Steak.
1½ Quart; (Trade Size).
Made to fit standard mountings; outside measurements 10⅝ x 7¾ x 2⅜ inches; holds approximately 2½ Imperial pints; average weight per dozen, packed, 44 pounds.
1/12 dozen in a carton.

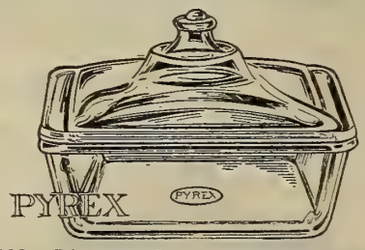
CASSEROLES

No. 194 Plain. List per dozen 56.00
No. 194E. Engraved. List per dozen ... 64.80

Oval; 2 Quart (Trade Size).
Dish and cover made to fit standard mountings; outside measurements 9½ x 7 x 3¾ inches; holds 3 Imperial pints; average weight per dozen, packed, 3 lbs.
1/12 dozen in a carton.

Nos.	293	297E
List dozen	40.00	52.80
Design	Plain	Engrav'd
Trade size	1 qt.	1½ qt.
Imp. pints	1 2/3	2½
Length, ins.	8⅜	8⅜
Width, ins.	6¼	6¼
Depth, ins.	2⅞	3⅝
App. wt. doz., lbs.	32	36

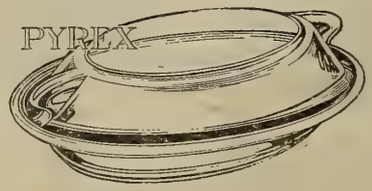
Oval; Victor Cover.
Made to fit standard mounting; deep bevelled edge cover; sizes given are outside measurements.
1/12 dozen in a carton.



No. 800. List per dozen 56.00

Square; 1½ Quart (Trade Size).
Square dish and cover; made to fit standard mounting; outside measurements 8¼ x 3 inches; holds approximately 2½ Imperial pints; average weight per dozen, 38 pounds. 1/12 dozen in a carton.

COVERED BAKING DISHES



No. 110. List per dozen 56.00
Oval dish with handled cover; 10 inches long, 7⅝ inches wide, 2⅞ inches high; average weight each, packed, 3½ pounds.
1/12 dozen in a carton.

PUDDING OR BAKING DISHES

Nos.	123	122	121
List dozen	22.40	28.00	32.00
Trade size	1 qt.	1½ qt.	2 qt.
Imp. pints	1⅔	2½	3¼
Diam., ins.	7¼	8½	9
Depth, ins.	2½	2⅞	3¼
App. wt. doz., lbs.	20	27	31

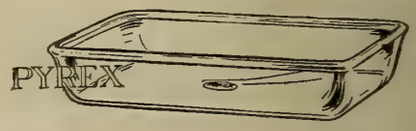
Round deep pattern; sizes given are outside measurements.
1/2 dozen in a carton.

BREAD PANS

Nos.	212	214
List dozen	24.00	40.00
Length, inches	9⅛	10⅝
Width, ins.	5⅛	5⅝
Height, inches	2⅞	3⅜
App. wt. dozen lbs.	25	37

Oblong, rounded corners; sizes given are outside measurements.
1/12 dozen in a carton.

UTILITY DISHES



Nos.	231	232
List dozen	28.00	40.00
Length, inches	10½	12⅝
Width, inches	6½	8⅛
Height, inches	2	2
App. wt. doz., lbs.	34	43

Oblong.
Flared sides; sizes given are outside measurements.
1/12 dozen in a carton.

BEAN POTS

No. 504. List per dozen 44.00

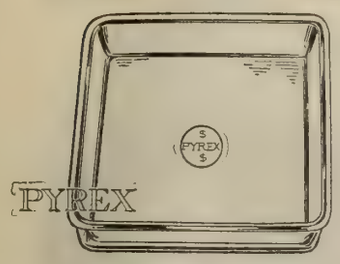
Round.
One quart trade size; outside measurements 6¾ x 4½ inches; average weight per dozen, 30 pounds.
1/12 dozen in a carton.

Sizes and measurements are the manufacturers figures.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

"PYREX" TRANSPARENT OVEN-GLASS

BISCUIT PANS

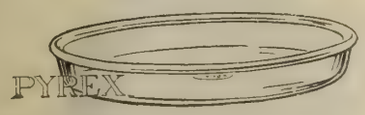


Nos.	234	235
List dozen	22.40	28.00
Length, inches	9⅛	11⅛
Width, inches	7⅝	8⅝
Height, inches	1¼	1¼
App. wt. doz., lbs.	26	34

Oblong, rounded corners; sizes given are outside measurements.

1/12 dozen in a carton.

CAKE DISHES



No. 221. List per dozen 20.00

Round, Shallow.

Slightly flared sides; 9⅛ inches diameter, 1¼ inch high, outside measurements; average weight per dozen, 22½ pounds.

1/4 dozen in a carton.

Nos.	809	810
List dozen	28.00	32.00
Sides, inches	9⅛	10⅛
Height, inches	1½	1½
App. wt. doz., lbs.	31	43

Square.

Slightly flared sides; sizes given are outside measurements.

1/12 dozen in a carton.

PIE PLATES

Nos.	202	203
List dozen	20.00	24.00
Size, inches	8⅜x1⅜	9¾x1¼
App. wt. doz., lbs.	16¼	21

Round; flared sides; rimmed; sizes given are outside measurements.

1/4 dozen in a carton.

PIE PLATES

Nos.	209	210
List dozen	24.00	25.60
Size, inches	9½x1½	10½x1½
App. wt. doz., lbs.	24	30
Doz. in a pkg.	¼	1/12

Wide Rim.

Round; flared sides; wide rim; sizes given are outside measurements.

Packed as above.

No. 1203. List per dozen 28.00

Hexagonal.

Hexagonal centre; round rim; flared sides; outside measurements 9¾ x 1¼ inch; average weight per dozen, 22 lbs.

1/4 dozen in a carton.

FISH OR MEAT PLATTERS

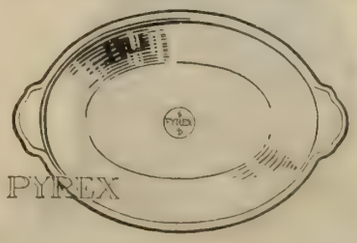
No. 315. List per dozen 44.00

Oval.

15¾ inches long, 10¼ inches wide, 1¼ inches high outside measurements; average weight per dozen, 34 pounds.

1/12 dozen in a carton.

OVAL DISHES



No. 322. List per dozen 24.00

With Handles.

Outside measurements 10 x 6½ x 1½ inches; average weight per dozen, 15 lbs.

1/2 dozen in a carton.

INDIVIDUAL BAKERS

(Ramekins).

No. 432. List per dozen 4.80

Round; 3½ ounce (trade size); 3⅛ inches diameter, 1⅜ inches high, outside measurements; average weight per dozen, 3¼ pounds.

1/2 dozen in a carton.

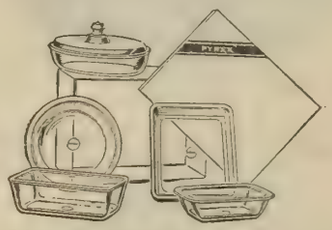
CUSTARD CUPS

Nos.	424	426
List dozen	4.80	5.60
Size, oz.	4	6
Diam., inches	3⅛	3⅜
Height, inches	2⅜	2⅝
App. wt. doz., lbs.	4½	5½

Round, French pattern; sizes given are outside measurements.

1/2 dozen in a carton.

GIFT SETS



No. 5. List per dozen sets 132.00

5 Piece.

Each Set Contains:

1—No. 184 1½ qt. Oval Beefsteak Casserole.
1—No. 212 9⅛x5⅛x2⅞ in. Oblong Bread Pan.
1—No. 208 8½ in. Pie Plate, Wide Rim.
1—No. 234 9⅛x7⅞x1¼ in. Oblong Biscuit Pan.
1—No. 145 7¾x5¾x2 in. Oblong Baking Dish.

Average weight per set, 13½ pounds.
Each Set packed in an attractive gift box.

No. 1216. List per dozen sets 160.00

11 Piece.

Each Set contains:

1—No. 168, 1½ qt. Round Casserole.
1—No. 212, Oblong Cake or Bread Baker.
1—No. 301, Round Dish, with Handles.
1—No. 322, Oval Dish, with handles.
1—No. 202, 8⅜ inch Pie Plate.
6—No. 432, 3½ oz. Ramekins, Round.

Average weight per set, 15 pounds.
1/12 dozen sets in an attractive gift box.

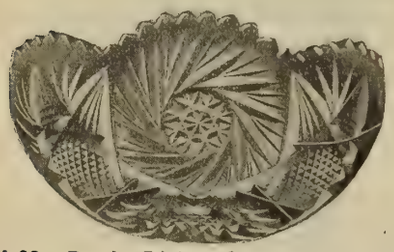
Sizes and measurements are the manufacturers figures.

CUT GLASS

First quality; richly cut in pleasing and attractive designs; selected, chrystal white blanks; designed and cut by expert workmen, all pieces will stand the most critical comparison, carefully packed in corruguated cardboard boxes.

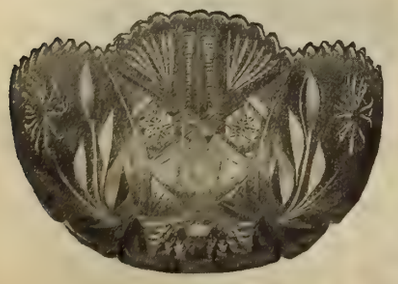
All Pieces with the Same Initial Before the Number Will Match.

No. L-40. Bowl. List each 11.00
8-Inch.
Combined star and fan cutting in excellent combination; polished cutting.
1 in a box.



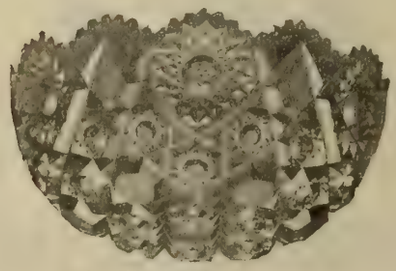
No. A-38. Bowl. List each 6.60
8-Inch.
One of the inexpensive designs; pleasing, attractive and popular; polished cutting.
1 in a box.

No. P-44. Bowl. List each 8.80
8-Inch.
Cut in fan and star combination; selected blanks; expertly polished.
1 in a box.



No. N-41. Bowl. List each 11.00
8-Inch.
One of the newer designs with flower and leaves; polished sparkling finish.
1 in a box.

No. K-56. Bowl. List each 11.00
8-Inch.
Cut in floral design; neat in appearance, attractive in color.
1 in a box.



No. 55. Bowl. List each 14.30
8-Inch.
A piece of splendid value; well cut with deep flashings which give it an appearance beyond its moderate price.
1 in a box.

M-39. Bowl. List each 14.90
9-Inch.
Similar in design to the "A" pattern, but with extra cutting; well cut and polished.
1 in a box.

Nappies, Nos.	N-21	N-22
List each	5.50	6.60
Size	5-inch	6-inch

Handled.
Cut in the same pattern as the N-41 Bowl; one of the more recent designs.
1 in a box.

No. M-12. Nappy. List each 3.90
5-Inch; Handled.
Artistically cut in neat pattern; well polished and finished.
1 in a box.

No. A-13. Nappy. List each 3.90
6-Inch; Handled.
Cut to match all other "A" pieces; attractive and popular.
1 in a box.

No. R-33. Nappy. List each 4.40
5-Inch; Handled.
A design that will meet with instant approval. 1 in a box.

No. R-34. Nappy. List each 5.50
6-Inch; Handled.
This and the No. R-33 nappy are the only two pieces of this pattern which we stock; popular where matching is not important. 1 in a box.

CUT GLASS

Nappies, Nos.	M-14	M-15	M-11
List each	3.60	4.00	8.80
Size, inches	5	6	8

Pleasing design, well cut, polished and finished.

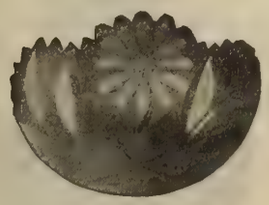
1 in a box.

No. P-23 Nappy. List per dozen 43.00

4½ Inches; Deep.

Cut in star and fan combination; made from the finest blanks; carefully finished.

1/2 dozen in a box.



No. K-25 Nappy. List per dozen 46.20

4½ Inches; Deep.

For individual use; makes an attractive set with the No. K-56 bowl; cut in floral design.

1/2 dozen in a box.

No. 166 Rose Bowl. List each 8.80

With Stem Block.

Footed bowl used for cut flowers or potted plants; stem block is perforated; 5 inches diameter; block 3 inches diameter.

1 in a box.

No. N-18 Nappy. List each 11.00

8-Inch.

A well cut pattern; made from selected blanks; finely finished throughout.

1 in a box.

No. A-102 Sugar and Cream. List per pair 6.60

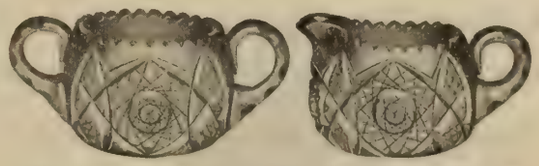
Will match all other "A" pieces; the cutting is all that can be desired in the lower-priced designs.

1 pair in a box.

No. 103 Sugar and Cream. List per pair 8.80

Attractive star cutting; nicely polished and finished; the only number in this design we stock.

1 pair in a box.



No. 101 Sugar and Cream. List per pair 8.80

A standard cutting of pleasing and balanced design; the only set of this pattern we stock.

1 pair in a box.

No. N-107 Sugar and Cream. List per pair 10.50

A newer flower pattern; all polished cuttings; carefully finished.

1 pair in a box.

No. 26 Nappy. List each 17.60

9-Inch.

Exceptionally attractive design; the fine delicate cutting in excellent taste make this piece sparkle almost like a diamond.

1 in a box.

No. 165 Butter Dish. List each 6.10

A well cut, carefully finished pattern; with plain handles; diameter, 5 inches.

1 in a box.

No. N-121 Olive Dish. List each 4.40

Polished sparkling finish; flower design; there are a number of other "N" pieces to match; 6¾ inches long, 5 inches wide.

1 in a box.

No. K-140 Comport. List each 7.20

For Candies, etc., neat and pleasing floral design; finely polished and finished; 5 inches diameter; 4¾ inches high.

1 in a box.

CUT GLASS

No. A-160 Butter Plate. List each 4.40

6 inches diameter; a neat pattern in one of the less expensive cuttings.

1 in a box.

No. 162 Butter Plate. List each 6.10

7-Inch.

An attractive variation of the more standard designs; artistic, popular.

1 in a box.

No. B-159 Butter Plate. List each 7.20

6-Inch.

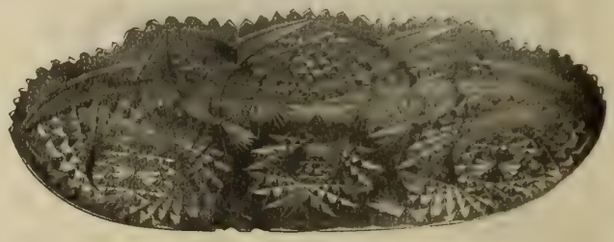
An attractively finished standard cutting; pleasing and well polished.

1 in a box.

No. A-130 Oil Bottle. List each 6.60

For vinegar, olive oil, etc.; matches all other "A" pieces, squat pattern; solid stopper.

1 in a box.



No. B-127 Celery Dish. List each 14.30

11½ Inch.

A standard cutting of Canadian design; beautifully finished.

1 in a box.

No. 181 Plateau. List each 13.20

14-Inch.

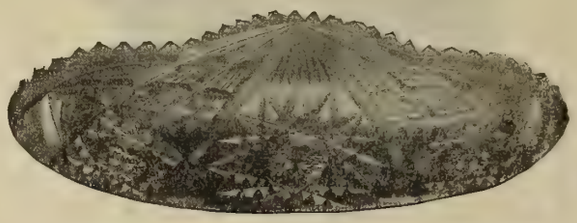
Fine polished round mirror with beaded edge; metal rim and bottom; knob feet, with wall hanger.

1 in a box.

Flower Vases, Nos.	64	65
List each	11.00	16.50
Height	8-ins.	10-ins.

A delightful pattern; flared top and bottom; rolled edge; highest quality blanks.

1 in a box.



No. F-113 Spoon Tray. List each 4.40

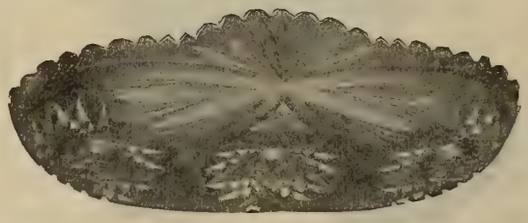
7¾ inches long.

No. F-125 Celery Dish. List each 7.70

10¾ inches long.

Artistic cutting of merit; beautiful in finish and color.

1 in a box.



No. 112 Spoon Tray. List each 5.00

Neatly designed cutting; fine finish; clear crystal color; length, 7¾ inches.

1 in a box.

Flower Vases, Nos.	K-57	K-59
List each	7.70	16.50
Height, inches	8	12

A cut of floral pattern; well designed; finely cut and polished; will match all other "K" pieces.

1 in a box.

CUT GLASS

No. J-88 Jug. List each 13.20
3-Pint.
A pattern of more simple design; well cut and polished; No. J-78 Tumblers to match. 1 in a box.

No. K-92 Jug. List each 13.20
3-Pint.
An attractively designed pattern; finely cut and polished.
1 in a box.

No. B90 Jug. List each 19.80
3-Pint.
A beautifully finished standard cutting of pleasing design; No. B-79 Tumblers will match this. 1 in a box.

No. A-77 Tumblers. List per dozen 22.00
1/2 Pint.
Flaring shape; 3¾ inches high; well finished and polished.
1/2 dozen in a box.

No. J-78 Tumblers. List per dozen 22.00
1/2 Pint.
Cut in the more simple design; nicely finished; the same pattern as the No. J-88 Jug also illustrated on this page.
1/2 dozen in a box.

No. R-82 Water Bottle. List each 11.00
Pint.
Standard pattern cut to go with the No. R-76 Tumblers shown above.
1 in a box.

No. A-100 Water Set. List per set 18.70

2-Pint Jug and 6 Tumblers.

An attractive and well finished set; straight pattern tumblers, 1/2 pint size.

1 set in a box.

No. 167 Water Set. List per set 18.70

2½-Pint Jug and 6 Tumblers.

Beautifully cut from light weight clear rock crystal blanks; floral design with dull finish flowers; straight pattern tumblers, 1/2 pint size.

1 set in a box.

No. B-79 Tumblers. List per dozen 46.20
1/2 Pint.
A standard pattern cut to match the No. B-90 Jug shown also on this page.
1/2 dozen in a box.

No. R-76 Tumblers. List per dozen 26.40
1/2 Pint.
A carefully cut and finished design; of standard pattern.
1/2 dozen in a box.

No. B-83 Water Bottle. List each 14.30
Pint.
Cut to match the B-90 Jug and B-79 tumblers; attractive in design; finished and polished with care.
1 in a box.

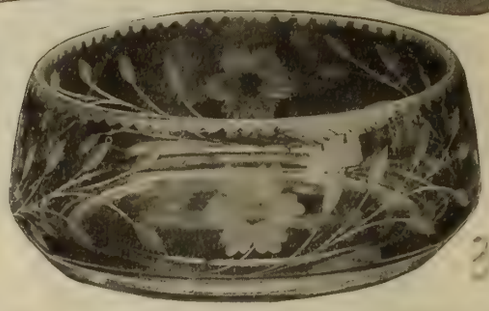
ENGRAVED GLASS

No. Y-610 Deep Nappy. List per dozen 9.90
4½ inches diameter; 1⅝ inches deep; light weight.
1/2 dozen in a carton.

No. 470 Nappy. List each 1.60
Handled.
5 inches diameter; 1¾ inch deep; medium weight.
3 in a carton.

No. 525 Marmalade Jars. List each 2.80
Bugle shape; open top; nickle plated metal lid and spoon; 3 inches diameter; 3¾ inches high.
3 in a carton.

No. Y-625 Oil Bottle. List each 3.30
Squat pattern; 3¾ inches diameter; 6 inches high over all.
1 in a carton.



No. Y-335 Salad Bowl and Servers.
List per set 3.30
Harvard shape bowl; 8 inches diameter; 3¼ inches deep; polished boxwood servers 9¾ inches long.
1 set in a carton.

No. Y-600 Bowl. List each 3.00
Medium weight; 8 inches diameter; 2½ inches deep.
1 in a carton.

No. Y-510 Butter Plate. List each 2.00
6 inches diameter.
3 in a carton.

No. W-630 Comport. List each 4.40
Bowl, 5 inches diameter; 3¾ inch base; 6½ inches high; plain stem.
1 in a carton.

No. 495 Butter Tub. List each 2.20
Flaring sides; outside diameters:—top, 5 inches; bottom, 4½ inches; 1¼ inches deep.
3 in a carton.

No. 500 Butter Tub. List per dozen 10.60
Flared sides; outside diameters:—top, 5 inches; bottom, 4½ inches; 1¼ inches deep.
1/4 dozen in a carton.

No. 530 Marmalade Jar. List each 2.20
Bulge shape; open top; nickle plated metal lid and spoon; 3¼ inches diameter; 3⅜ inches high.
3 in a carton.

No. 340 Flower Basket. List per dozen .. 17.20
Flaring sides; 5 inches diameter; 10 inches high; solid handle.
1/12 dozen in a carton.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

ENGRAVED GLASS

No. Y-350 Tumblers.
List per dozen 6.60
1/2 pint; flaring pattern; 4 ins. high; top diameter, 3 inches.
1/2 dozen in a box.

No. W-355 Tumblers.
List per dozen 8.30
1/2 Pint; 3¾ inches high; top diameter, 2¼ inches.
1/2 dozen in a box.

No. Y-300 Jug. List each ... 3.90
3 pint size; 10½ inches high; 5⅜ inches bottom diameter; solid handle.
1 in a box.

No. W-310 Jug. List each ... 2.80
1 pint size; 6⅛ inches high; 3¼ inches bottom diameter.

No. W-305 Jug. List each ... 5.50
3 pint size; 9 inches high; 4⅞ inches bottom diameter.
1 in a carton.

No. 330. Water Set. List per set 2.80
JUG—2 pint size; 7¾ inches high; 4½ inches bottom diameter.
TUMBLERS—1/2 pint size; 3¾ inches high; 2¼ inches bottom diameter.

No. 400. Sugar and Cream. List per pair 1.40
Straight sides; cream jug 2⅝ x 2⅝ inches; sugar bowl 2¼ x 2 inches; solid handles.
2 pairs in a carton.

No. 395. Sugar and Cream. List per set 1.90
Straight sides; cream jug 3½ x 2¾ inches; sugar bowl 2¾ x 3⅝ inches; solid handles.
2 pairs in a box.

No. 390. Sugar and Cream. List per pair 4.40
Bulge shape; 3 inches high; 4 inches outside diameter; solid handles.
1 pair in a carton.

No. W-450. Spoon Tray. List each 2.20
8¼ inches long; 4⅛ inches wide; 1½ inches high.
3 in a carton.

No. 360—
Sherbet Glasses.
List doz. 11.90
Bowl, 3½ ins. diameter; 2⅝ in. base; 3⅜ inches high.
1/2 dozen in a carton.

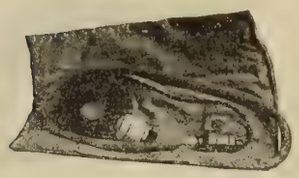
No. 550—
Salt and Pepper Shakers.
List per pair 2.80
Sterling silver perforated tops; 3¼ inches high.
1 pair in a lined box.

No. 430 Flower Vase.
List per dozen 6.60
Straight body; flaring top and bottom; 6½ inches high; 2⅝ inches diameter base.
1/12 dozen in a carton.

No. W-420 Flower Vase.
List each 4.40
8-inch; corset shape; 8¼ inches high; 3⅝ inches diameter; 3¼ inch base.

No. W-422 Flower Vase.
List each 6.10
10-inch; corset shape; 10¼ ins. high; 4¼ inches diameter; 3⅞ inch diameter base.
1 in a carton.

ELECTRIC WARMING PADS
or
HEATING PADS

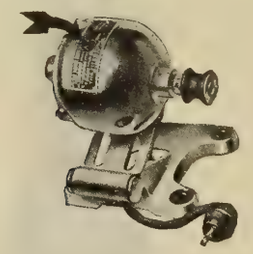


"Star." List each 16.00

100-125 Volts; 12 x 15 Inches.

A very flexible pad, light and soft; encased in felt cover, also equipped with extra white muslin cover, also a rubber cover; equipped with three-heat switch and double thermostatic regulator which prevents over heating; operates on either direct or alternating current; complete with regulation cord and plug.
1 in a box.

HOUSEHOLD ELECTRIC MOTORS



Star. List each 27.50

Reversible Sewing Machine Motor. Complete with Emery Wheel and Buffing Wheel Illustrated Below.

A small and efficient motor which operates on either direct or alternating current; made especially for sewing machines but can be utilized for polishing, grinding, etc.; equipped with universal 100-120 volt motor which can be easily reversed; steel motor housing, cast iron nickel plated base and spring arm; base has four rubber feet to prevent slipping; complete with japanned new style foot treadle which gives any desired speed, also long flexible cord, separate attachment plug and receptacle; average weight each, 8 pounds.
1 in a corrugated box.

Shown also on Page 465.

ATTACHMENTS
for
HOUSEHOLD ELECTRIC MOTORS

As Included with Household Motor.

Buffing Wheel.

Emery Wheel.

Shown also on Page 465.

ELECTRIC COFFEE PERCOLATORS

"WESTINGHOUSE."

No. 284253. List each 26.30

6-Cup Plain Type; Nickel Plated.
110-120 Volts; Automatic Cut-Out.

Spun sheet metal vessel, heavily tinned inside, highly polished outside; black ebonized handle; glass top cover; high grade percolating inset with aluminum coffee basket and nickel silver valve; highest grade, reliable heating element with automatic cut-out when temperature of the heater approaches the danger point; strong, protected terminal posts; complete with 6 foot cord, separable attachment plug and receptacle; diameter 5¼ inches, height 10⅝ inches; average weight each, packed, 5¼ pounds.
1 in a carton.

"WESTINGHOUSE."

No. 284249. List each 32.70

7-Cup Panel Pot; Nickel Plated.
110-120 Volts; Automatic Cut-out.

Spun sheet metal vessel, heavily tinned inside, highly polished outside; black ebonized handle; glass top cover; high grade percolating inset with aluminum coffee basket and nickel silver valve; highest grade, reliable heating element with automatic cut-out when temperature of the heater approaches the danger point; strong, protected terminal posts; complete with 6 foot cord, separable attachment plug and receptacle; average weight each, packed, 5 pounds.
1 in a carton.

ELECTRIC COFFEE URNS

"WESTINGHOUSE."

No. 284257. List each 42.00

9-Cup Loving Cup Type; Nickel Plated.

110-120 Volts; Automatic Cut-out.

Spun sheet metal vessel; heavily tinned inside, highly polished outside; neat metal spigot; black ebonized handles; glass top cover; three rivetted feet; finest grade percolating inset with aluminum coffee basket and valve; substantial element of unsurpassed heating efficiency with automatic cut-out when temperature of the heater approaches the danger point; strong, protected terminal posts; complete with 6 foot cord, separable attachment plug and receptacle; diameter 6 inches; height over all, 14 inches; average weight each, packed 5½ pounds.

Each in a carton.

ELECTRIC CHAFING DISHES

No. 300296. List each 44.90

Nickel Plated.

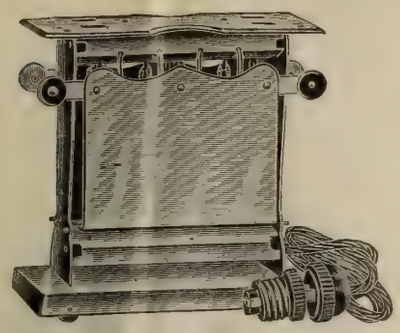
111-120 Volts; 3 Heats.

Combination Chafing and Disc. Stove.

Spun sheet metal water pan, food pan, cover and stand full nickel plated and highly polished; ebonized wood handles; standard 6 inch disc stove which may be used separately if desired; will do any light cooking and heating that a single burner gas stove will do; complete with flexible cord, separable plug and indicating push switch; height of stand 6 inches, diameter 9 inches; height over all, 11¼ inches; approximate shipping weight each, 12 pounds.

1 in a box.

ELECTRIC TOASTERS

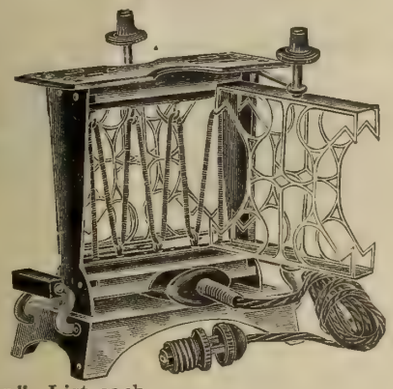


"Fitzgerald." List each 7.70

Nickel Plated; 110 Volts.

An efficient toaster which may be attached to ordinary lamp socket; heats quickly and operates at a low cost; stamped steel frame full polished and nickel plated; protected ni-chrome wire heating element; 8 inches high complete with 6 foot cord with terminal and lamp plug.

1 in a carton.



"Star." List each 10.00

Reversible; Nickel Plated.
110 Volts.

Pressed steel frame, full nickel plated and highly polished; side swinging bread holders 4¾ x 4⅜ x ⅞ inches; heavy base 7⅛ x 4 inches; ebonized wood handles; serviceable heating element, firmly secured terminal posts; height 9½ inches; complete with 6 foot cord, separable attachment plug; average weight each, 3 pounds.

1 in a carton.

"WESTINGHOUSE"

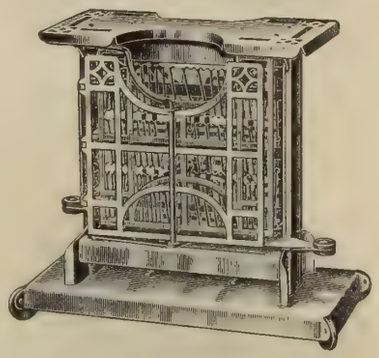
No. H18010. List each 10.20

Turnover; Nickel Plated.
105-115 Volts.

Pressed steel frame, full nickel plated and highly polished; wire bread holders hinged at bottom with ebonized fibre knobs which turn the toast by simple twist of the knob; substantial heating element of unsurpassed heating efficiency; strong terminal posts; weighted base 7½ x 4¼ inches, height 7 inches, complete with 6 foot silk cord and separable attachment plug; average weight each, 3¼ pounds.

1 in a carton.

ELECTRIC TOASTERS



"UNIVERSAL."

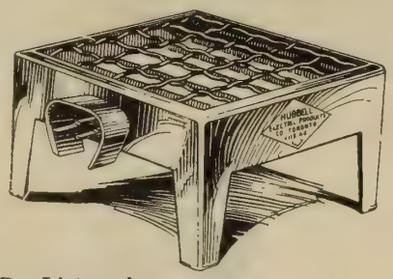
No. E947. List each 14.50

Reversible; Nickel Plated.
106-114 Volts.

Stamped metal frame, full nickel plated and highly polished; easy swinging bread holders opening like doors, 4 x 4 x ⅞ inch; weighted base 7½ x 3⅝ inches; ebonized fibre handles and feet; serviceable heating element; firmly secured terminal posts; height 6½ inches; complete 6 ft. art silk cord and separable attachment plug; average weight each, 3¼ pounds.

1 in a carton.

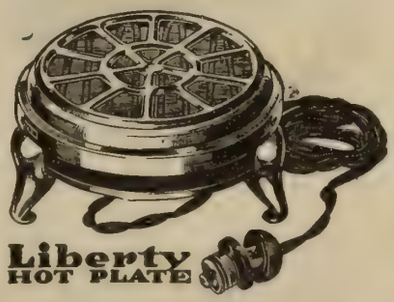
ELECTRIC TOASTER STOVES



No. D. List each 4.00

One-piece polished aluminum frame; heavy bright wire grill; long, coiled heating element mounted on asbestos pad; metal bottom; fitted with universal terminal posts which connect with any iron or appliance cord; top 5¾ inches square; height 3¼ inches; average weight each, 1 pound. Supplied without cord.

Open stock.



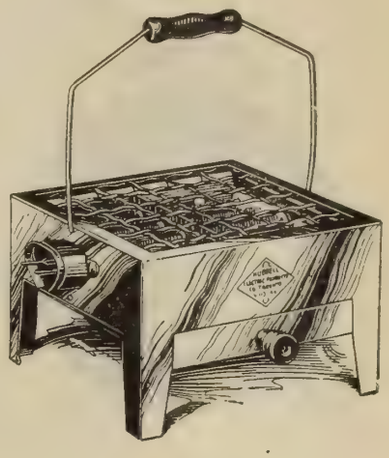
Liberty Hot Plate. List each 4.70

110 Volts; Nickel Plated.

One piece stamped metal grill, with bottom plate and three strong "coaster" legs; long, coiled heating element; thick asbestos pad; 6 feet of heavy black double cord fitted with separable attachplug; outside diameter 6¾ inches, height over all, 3¾ inches; average weight each, packed, 2¼ pounds.

Each in a carton.

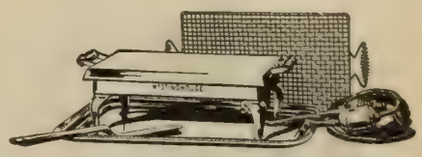
ELECTRIC TOASTER STOVES



No. A. List each 6.70

One piece polished aluminum frame and underneath toasting tray with wood knob; tinned plate bottom; long, coiled heating element; heavy bright wire grill; wire bail handle with wood grip; fitted with universal terminal posts which will fit any iron or appliance cord; top 6½ inches square; height 4 inches; average weight each, 1⅜ pounds; supplied without cord.

Open stock.



"WESTINGHOUSE."

No. 196158. List each 18.00

Nickel Plated; 108-115 Volts.

A practical and complete stove, not only for toasting but also for cooking, having a wide range of usefulness.

Frame and legs are made of pressed steel heavily nickel plated and polished.

Griddle of heavy gauge sheet aluminum equipped with coiled wire handles.

Toasting Screen finished in dull nickel.

Tray nickel plated cold rolled steel.

Dimensions 9 x 5¼ inches, 3⅝ inches high.

Price includes toaster stove, toasting rack, griddle, frying plate, tray and flexible cord with through switch and separable attachment plug; average weight each, 7 pounds.

1 in a carton.

ALARM CLOCKS

GERMAN.

No. 569. List each 2.70

Nickel plated case; 3⅝ inch white dial with clear black numerals; gilt sash; 2¼ inch, nickle plated, steady alarm bell with shut-off lever; front diameter, 4 inches; back diameter, 5⅛ inches; depth, 2½ inches; height, 6 inches; average weight each, 1⅛ pounds.

1 in a box.

WESTCLOX.

"Early Bird." List each 3.50

Nickel plated metal case; 3½ inch white dial with large black numerals; gilt sash; 2¼ inch steady, shut-off alarm bell; diameter 4 ins.; depth 2¼ inches; height over all 6 inches; average weight each, 1⅛ pounds.

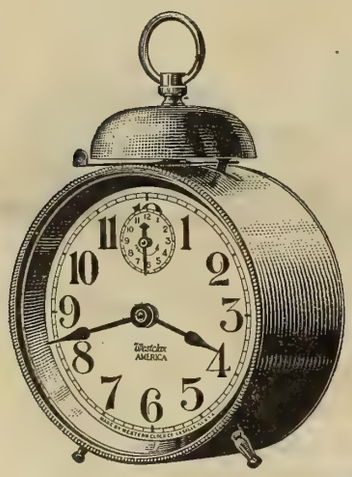
1 in a box.

WESTCLOX.

"Sleep-Meter." List each 4.12

Sturdy nickel plated metal case; 3½ inch white dial with large black figures; gilt sash; 3½ inch, steady, shut-off bell at back; diameter 4 inches; depth 2⅝ ins.; height over all, 5½ inches; average weight each, 1½ pounds.

1 in a box.



WESTCLOX.

"America." List each 2.80

A bright and attractive one-day alarm clock; nickel plated metal case; 3½ inch white dial with large plain black figures; nickel plated sash; 2¼ inch (steady) shut-off bell; diameter 4 inches; depth 2⅜ inches; height over all 6⅜ inches; average weight each, 1 pound.

1 in a box.

WESTCLOX.

"Lookout." List each 3.76

Nickel plated, seamless metal case with brass back; 2½ inch white dial with plain black numerals; gilt sash; 2⅛ inch (steady) shut-off alarm bell on top; diameter 2⅞ inches on face, 4 inches on back; depth 2⅛ inches; height over all, 6⅜ inches; average weight each, 1 pound.

1 in a box.

WESTCLOX.

"Black Bird." List each 4.50

Luminous.

Nickel plated metal case; 3½ inch black dial with large luminous figures and hands; 2¼ inch, steady, shut-off bell; diameter 4 inches; depth, 2⅜ inches; height over all, 6 inches; average weight each, 1⅛ pounds.

1 in a box.

H. S. HOWLAND, SONS & CO., LIMITED, WHOLESALE HARDWARE, TORONTO, CANADA.

ALARM CLOCKS

WESTCLOX.

"Ironclad." List each 4.80

A well known, solidly constructed alarm clock; gun metal finish iron case; 2⅜ inch white dial with large black figures; gilt sash; 2 inch, steady, shut-off bell underneath; height 5 inches; base 4½ x 2⅜ inches; average weight each, 2⅝ pounds.

1 in a box.

ALARM CLOCKS

BABY BEN

Plain Dial. List each 6.24

Luminous Dial. List each 8.20

A dainty little clock, for desk or travelling bag, etc., a miniature of "Big-Ben" in reliability and style; richly nickel plated metal case; 2¼ inch dial with plain figures; gilt sash; silvery toned bell, 2½ inches diameter, at back, rings steady or intermittently; diameter 2⅞ inches; depth, 1½ inches; height over all, 3¾ inches; average weight each, 7/8 pound.

1 in a box.

WATCHES

POCKET-BEN

Nickel Plated. List each 2.74

Gun Metal. List each 2.74

Gilt. List each 2.74

A low priced watch of high quality and attractive appearance; reliable movement; double roller escapement; stem wind and set; white dial; plain Arabic figures; diameter 2 inches; 11/16 inch thick; average weight each, 4 ounces.

1 in a box.

12 in a carton.

WESTCLOX.

"Jack o' Lantern." List each 5.50

Luminous.

Sturdy metal case, full nickel plated and polished; 3½ inch black dial with large plain luminous figures and hands; gilt sash; 3½ inch, steady, shut-off bell at back; diameter 4 inches; depth 2¾ inches; height over all, 5½ inches; average weight each, 1⅝ pounds.

1 in a box.

BIG BEN

Plain Dial. List each 6.24

Luminous Dial. List each 8.20

A slender, massive, but graceful alarm clock, richly plated, which runs on time, rings on time and stays on time; heavy metal case; 4½ inch dial with big broad figures and hands; gilt sash; deep toned bell, 4¾ inches diameter, at back, rings for five minutes or intermittently for ten; large winding keys; quick acting shut off; diameter 5⅝ inches; depth, 2¼ inches; height over all, 7 inches; average weight each, 2¼ pounds.

1 in a box.

"Glo-Ben." List each 4.80

Luminous.

Of the same high quality as the "Pocket Ben"; reliable movement; double roller escapement; stem wind and set; black dial with luminous figures and hands, for use in the dark; diameter, 2 inches; 11/16 inch thick; average weight each, 4 ounces.

1 in a box.

12 in a carton.

"HOWLAND'S SAMSON"

Printed by Publishers Limited, 261 Adelaide Street West, Toronto.

H. S. HOWLAND, SONS & CO. Limited

Registered № 1655

Date Supplied June 2-1923

Loaned to Rice Co

Wyoming Ont

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